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HIGH TIMES

JANUARY 1988

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GROW ROOMS OF THE FUTURE

A Thrilling
True Life Report!

ALDOUS HUXLEY By Jay Stevens
BUILDING THE BIOSPHERE By Bram



K48427

Indoor Sun

ENERGY EFFICIENT GROW LIGHTS

METAL HALIDE—(balanced growing spectrum)

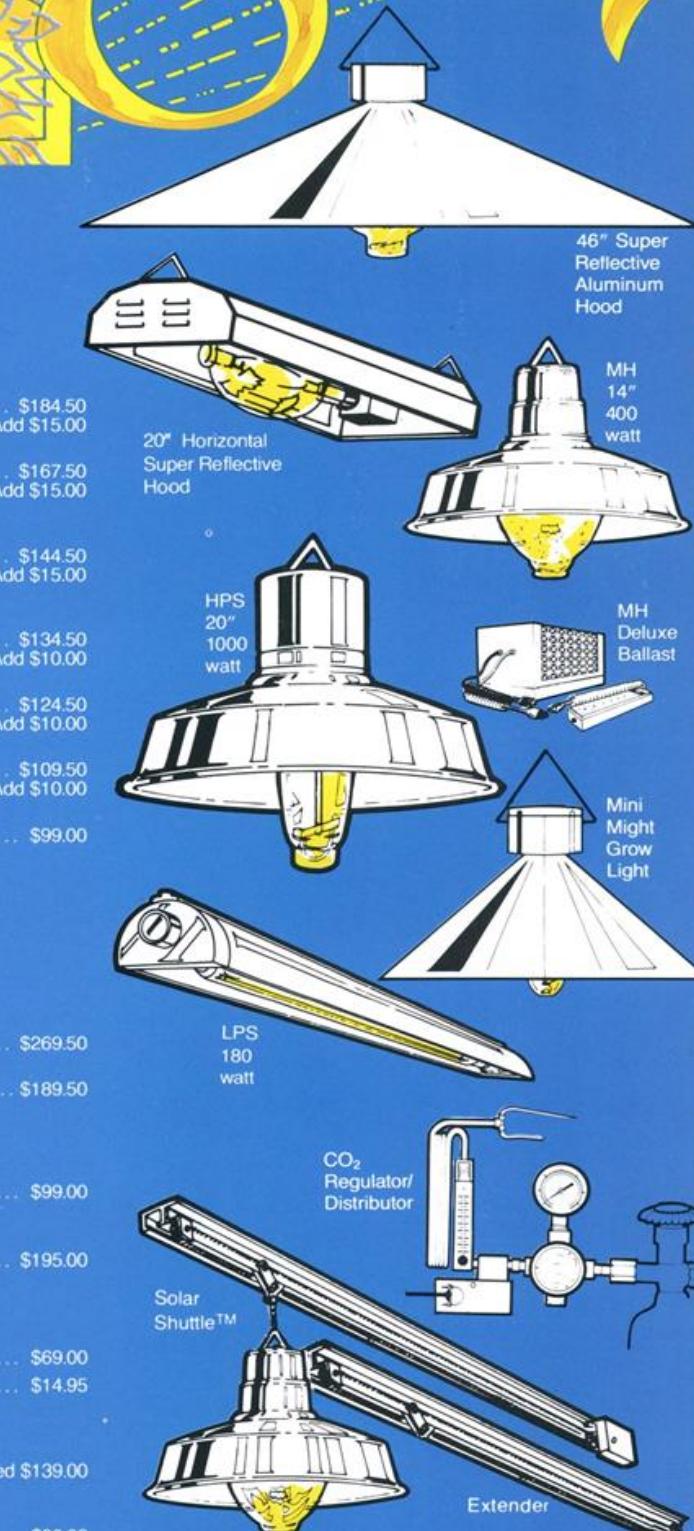
All systems include assembled ballast, bulb, reflector, 15' lamp cord & 8' power cord.	
★ 1000 watt DELUXE—Your choice of one of four great reflectors: 46" Polished aluminum super reflective hood (white available on request). □ Our new 20" low profile (only 7" high) horizontal reflector with a space-age polished aluminum reflective panel (puts out 45% more light than conventional reflectors). □ 48" parabolic, high output reflective hood. □ 20" adjustable white enamel reflector. Each deluxe unit comes with a super quiet ventilated ballast box with a high quality 6-outlet power supply with a lighted on/off switch and a 15 amp circuit breaker. System includes a 110,000 lumen-12,000 hr. bulb To upgrade to our 125,000 lumen-12,000 hr. Horticultural Superbulb	\$184.50 Add \$15.00
1000 watt STANDARD—18" high temp. white enamel reflector. Ventilated ballast box. System includes a 110,000 lumen-12,000 hr. bulb To upgrade to our 125,000 lumen-12,000 hr. Horticultural Superbulb	\$167.50 Add \$15.00
★ 1000 watt ECONOMY—2'x3' polished aluminum reflective hood (not shown). Assembled open ballast. System includes a 110,000 lumen-12,000 hr. bulb To upgrade to our 125,000 lumen-12,000 hr. Horticultural Superbulb	\$144.50 Add \$15.00
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★ 175 watt MINI-MIGHT METAL HALIDE—15" reflector with self-contained ballast. 15,000 lumen-20,000 hr. bulb (only 18c/day to operate)	\$99.00

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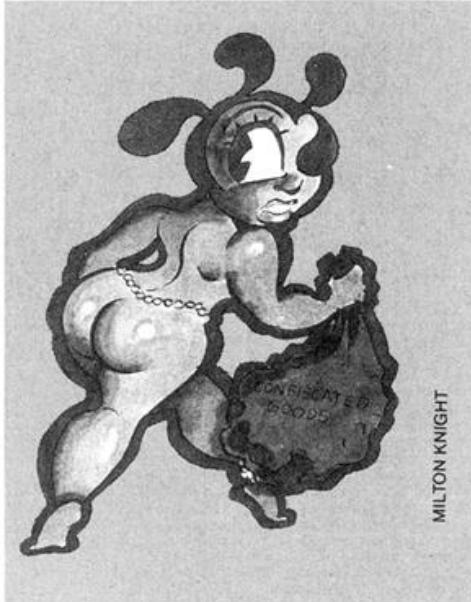
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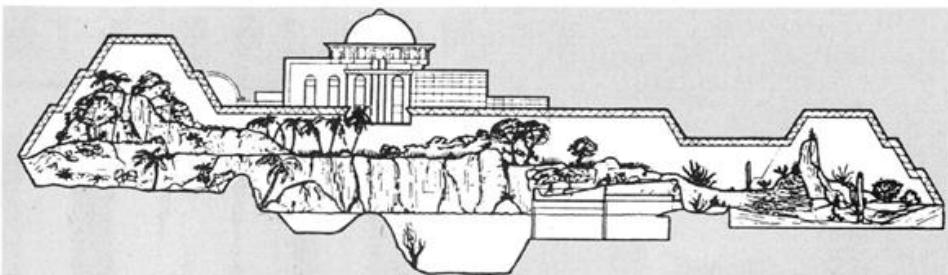
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By the year 2005 as many as 10,000 plant species may disappear forever, an estimate based on the current rate of extinction of two species per day. Unfortunately, this biological catastrophe has been blithely ignored by the Reagan administration.

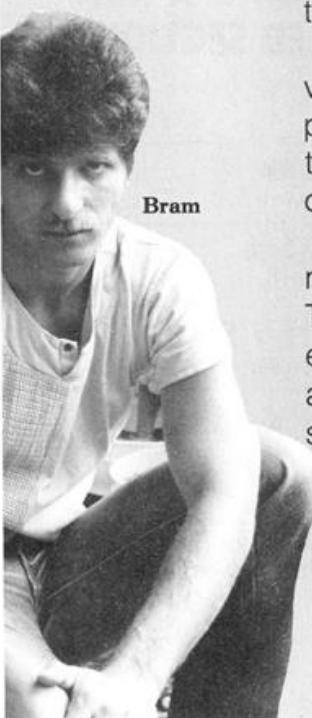
"It's as though we haven't yet learned to read and we're going to burn the library," says Dr. Kerry Walter of the Massachusetts Center for Plant Conservation. By uniting botanical institutions across the nation, the center hopes to save as many plants as possible.

According to Kerry, the primary culprit is man. Holes in the ozone layer, greenhouse warming trends, destruction of the rainforests, acid rain and toxic chemical dumps are eroding the natural habitats needed to maintain Earth's diverse plant life.

Fortunately, something is being done. Our favorite project concerns a small independent company in Arizona that is working on a miniature model of Earth. They call it Biosphere II, and it should be completed sometime in the next two years.

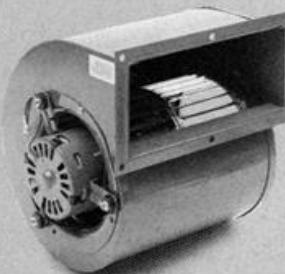
Biosphere II is a closed, pollution-free environment that recycles waste product and produces its own atmosphere. For the first time the complexity of life can be studied under controlled circumstances.

Will the completion of Biosphere II signal a major shift in consciousness? We hope so. That's why we sent our foremost indoor grow editor, Bram (alias Dr. Indoors), to Arizona for a progress report on the project. His story starts on page 36.

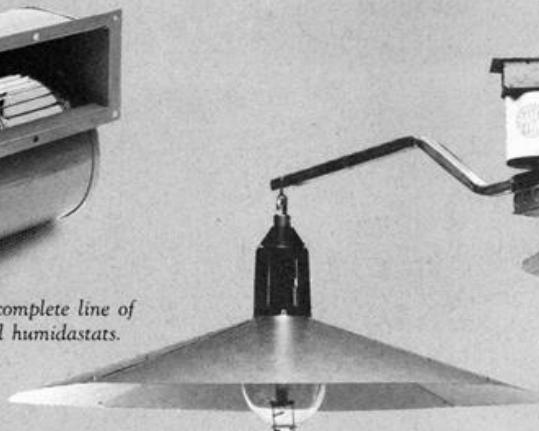


Steven Hager
Editor-in-Chief

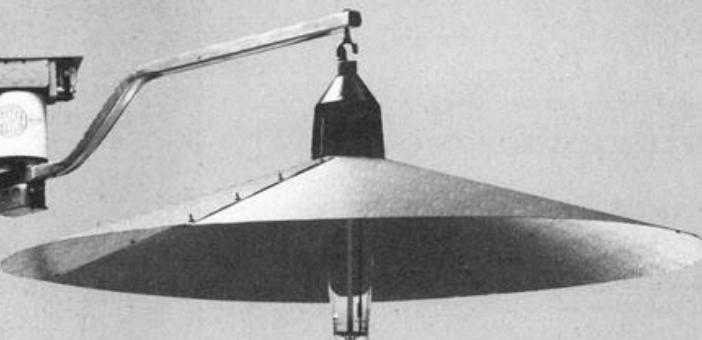
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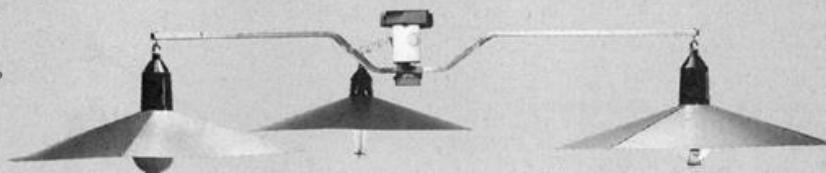
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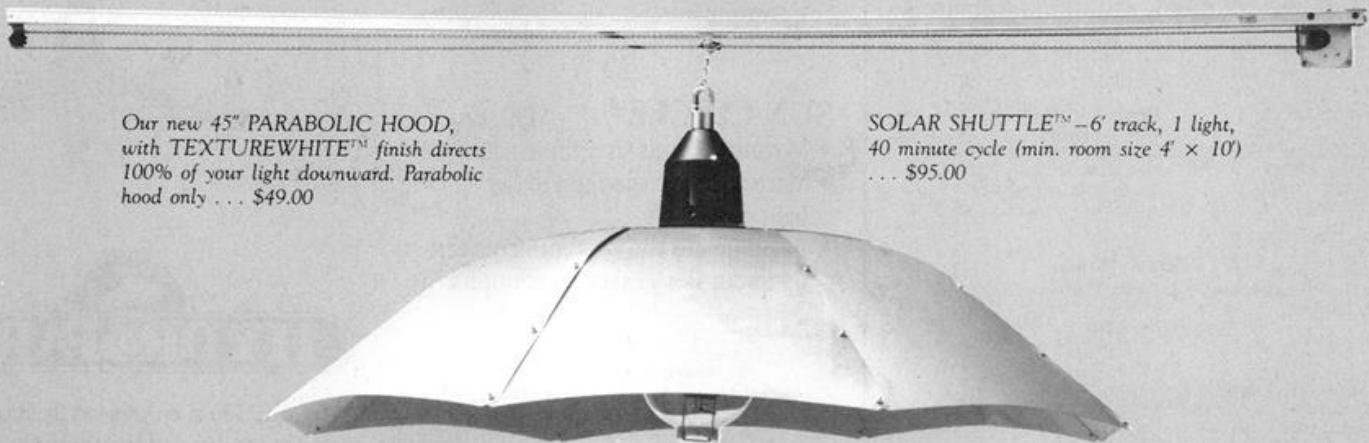
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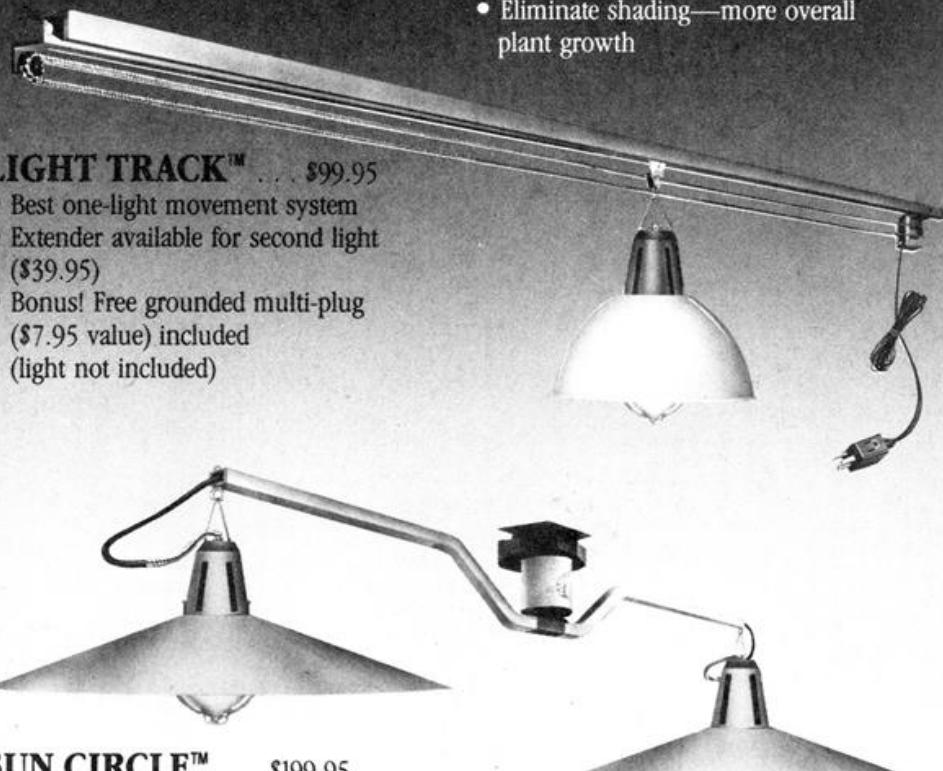
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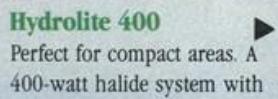
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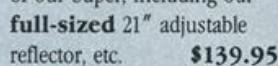


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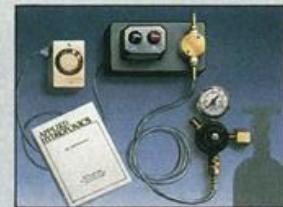
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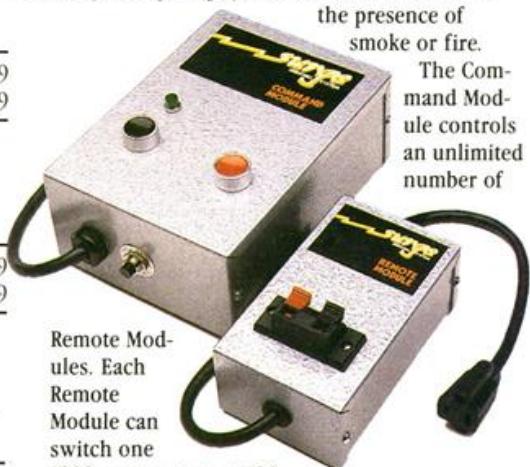


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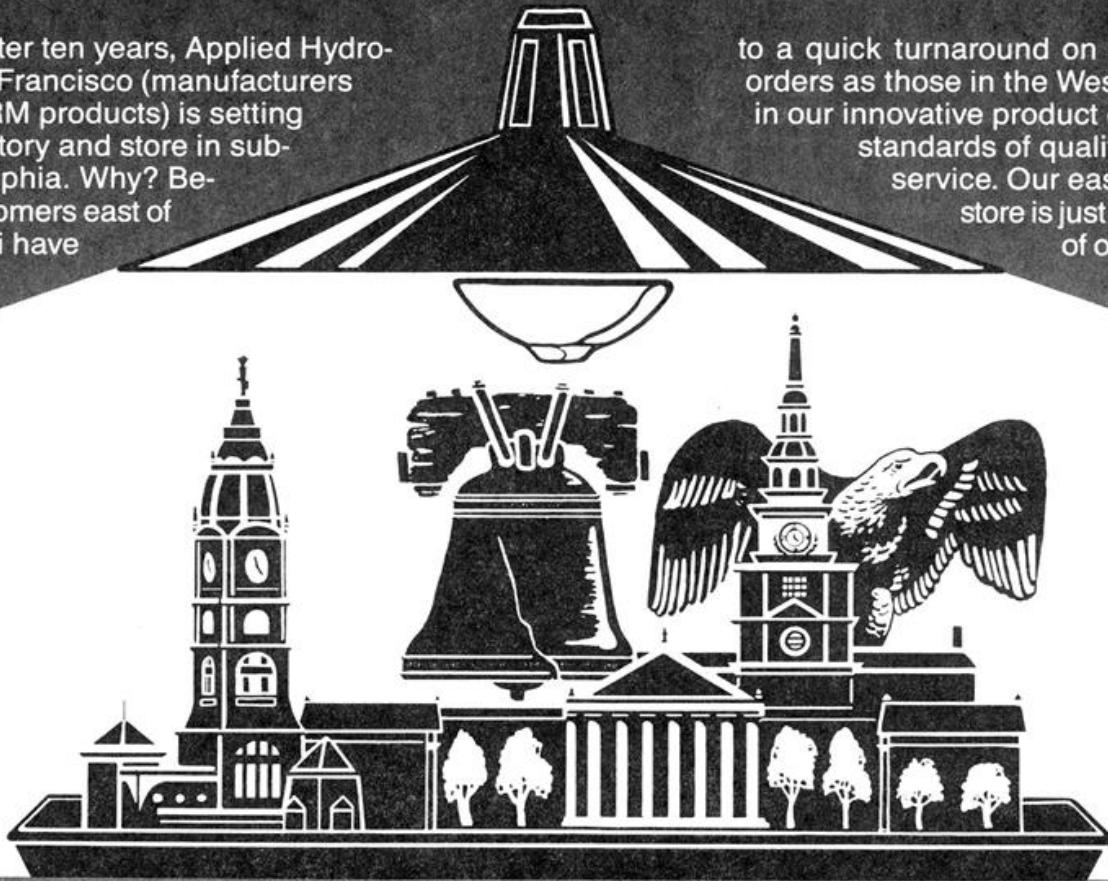


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Gas Pipe
Dallas, Arlington & Austin, TX
Northern Lights & Hydroponics
Cleveland, OH & New Castle, PA
Indoor Sun
Central Islip, NY
Applied Hydroponics
Bristol, PA (New Store)
Waterbeds and Stuff
Columbus, OH



For more product information,
see our ads on page 8 & 9.

LETTERS

UNBELIEVABLE BUDS!

On page 48 of the September issue, it states that S.S.S.C. harvests three kilos five times a year in an area of three square feet. That's 3.67 pounds per square foot per year. An incredible feat that I find almost impossible to believe! We grow using a sort of Sea of Green method, using a prolific *indica* strain, and get .2 pounds per square foot. Surely the statement was a typographical error.

—Captain Zoom
Seattle, Washington

An area 3' x 3' equals 9 square feet. S.S.S.C. claims a harvest of 6.6 pounds (three kilos), which translates to 1.1 pounds per square foot. Since their plants yield between 2 and 3 ounces, that means 9 to 11 plants per square foot. That does seem outrageous, unless one takes into account their plants are packed tighter than cockroaches in Dean Latimer's office. There's no doubt S.S.S.C. has created a very high yield in a very small space. But whether the yields are as high as they claim is impossible for us to ascertain. We're only reporting what they say.

OUR MISTAKE

I want to point out what I think is a misprint in the September '87 issue. On page 61 it says to look at the "Sea of Green" article in the October '85 issue. I think it should have said October '86. People might want to order a back issue and end up getting the wrong one. By the way, the September issue is great, especially the info on vertical lights and our Dutch friends in Holland. Keep up the great work!

—B.B.
Greencastle, Indiana

Thanks for pointing out the error. For those readers interested in ordering a back issue, our first Sea of Green article appeared in the October '86 issue. The

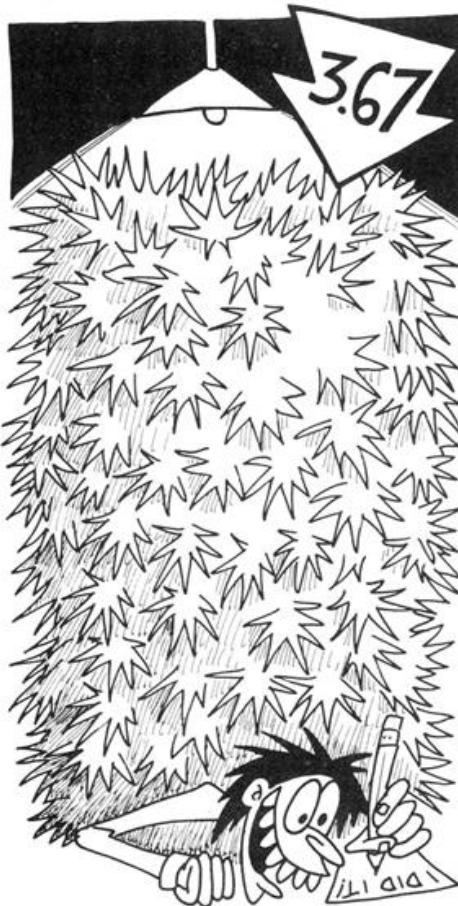


ILLUSTRATION BY JOHN HOLMSTROM

most detailed description of the method can be obtained by writing the S.S.S.C. seed club in Holland.

NOT OUR MISTAKE

Shame on you HIGH TIMES. You goofed. I have this to say in response to your news item on Transcendental Meditation (September '87): Drugs are taboo for anyone who wishes to take up the technique. Marijuana smokers must wait 15 days for cleansing before they can begin learning the technique. Pot interferes with meditation.

—Faithful Reader
Boston, Massachusetts

Who goofed? All we did was report on "yogic flying" for anyone who might take an interest in it.

● Send your letters to
HIGH TIMES "Letters,"
211 E. 43rd St.,
NY, NY 10017.

GREAT MIDWEST FESTIVAL

Having just returned from the "Great Midwest Marijuana Harvest Festival" in Madison, Wisconsin, I must say it was great! There were thousands of people sitting on the capitol grounds smoking pot, rallying, and just having a good time. Garbage bags were passed around to clean up the trash. The cops just stood by and made sure nothing got out of hand. The climax of the day was a seminar on advanced growing techniques by Ed Rosenthal. You guys have a great magazine and four dollars is not even close to the value of the information in each issue.

—Colin Lamb
General Manager
KCRS Rock, 970 FM
Cedar Falls, Iowa

POT NOT ADDICTIVE?

I would like to respond to the Phantom Bomber column in the September issue. Pot smokers do not have to defend cigarette smoking. In fact, it weakens the case for pot to do so. Cigarettes contain addictive nicotine. Cigarette smokers use far more tobacco than marijuana smokers do. Who smokes the equivalent of two packs of dope a day? The debate on cigarette smoking has been about: 1) smoking in public places; 2) advertising; 3) product liability. Pot can exist under all those conditions. Please calm down. Things aren't all that hopeless. Look at the dramatic turnaround in Spain. Down with cigarettes and drunk drivers, long live cannabis!

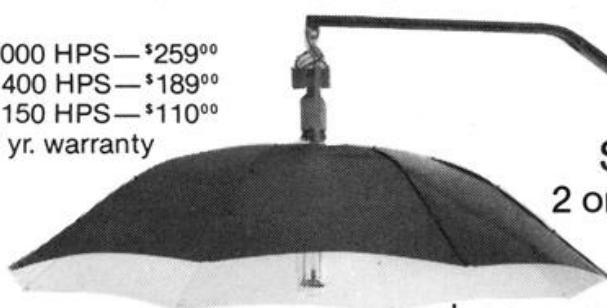
—J.J.
Tallahassee, Florida

Although cannabis is not as addictive as nicotine, it is habit forming. The staff of HIGH TIMES believes in personal freedom, including the right to smoke tobacco if one so desires.

continued on page 16

DANSCO INDOOR GARDEN CENTERS

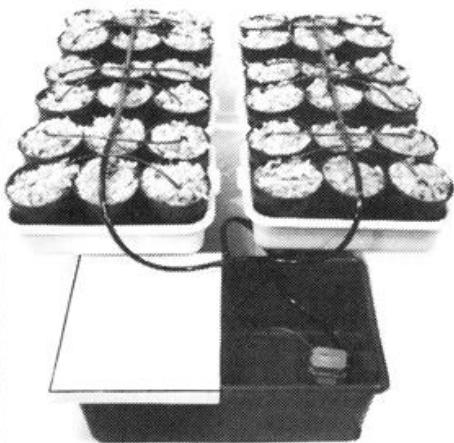
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HYDRO FLO I \$265⁰⁰
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NEW Hydro Flo I includes 6 trays with 36 one gallon Pyramid pots, reservoir, timer, pump, rockwool, 12 week supply of General Hydroponics nutrients with pH Control Kit and filter. Basic system covers 4'x5' area for 6-8 week cycle. Double the size of this system for only \$96 more!

Larger pumps and reservoirs allow us to custom fit these systems to your needs.



CO₂ INJECTION SYSTEM
 \$179⁰⁰
 with Exhaust Control \$279⁰⁰

Basic injection system includes a heavy duty brass body regulator, brass solenoid valve, pre-wired solid state recycle timer, hose and fittings.

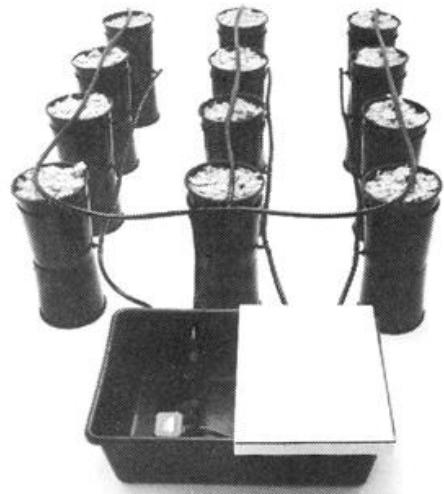
Exhaust control and CO₂ injection are synchronized by using a second recycle timer which becomes the primary controller. The system is completely wired with dual outlets for exhaust and intake fans.



HYDRO CELL II \$250⁰⁰
 Expansion Module \$6⁰⁰

Hydro Cell II includes 12 two gallon grow cells with reservoir, timer, pump, rockwool, 12 week supply of General Hydroponics nutrients with pH Control Kit and filter. Recirculating system is easily expandable to 36 cells without increasing pump size. Our 25 gallon reservoir should be used with more than 12 cells.

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LETTERS

continued from page 14

THE DEAD LIVE, IV

In response to the "Dead Live, III" letter in September, I'd like to say that the Sex Pistols and Lou Reed weren't really punks. Punk was "people's music." It was about doing things yourself. The real punks were bands like U.K. Subs and Crass, who created an alternative to businessman rock. Hippies and punks should unite! Peace, anarchy, equality and freedom.

—D.J.

Van Nuys, California

In response to "Dead Live, III," I am a young Deadhead. I have many punk/hippie friends and we all enjoy the Grateful Dead. So stick the "Punk Has-Been" stuff up your ass.

—Young Deadhead

Albion, California

SHOOTING HIS MOUTH OFF

Since I haven't read any letters in HIGH TIMES on the subject of gun control, I thought I would ask for reader support of our constitutional right to bear arms. I was stopped by the cops and hassled about my .357 magnum laying on the seat of my car, in plain sight, which is legal in Arizona. He said, "Why do you have that gun?" I said, "It's my right as an American free citizen." He said, "What do you use it for?" I said, "To kill rattlesnakes and communists!"

Harassment nobody needs. I say *no* to gun control! Taking our freedom to bear arms is the first step to communism and corrupt government. Stand up for your rights: Buy a gun! Outlaw guns and only outlaws will have them (and cops).

—Stoned Survivor,

Dave Roberson,
Phoenix, Arizona

CAR 13, WHERE ARE YOU?

It seems that a few months back, July, I believe, one of our law enforcement (no, I didn't spell it wrong!) officers got his ass busted for selling crack. The officer in question is facing 36 departmental violation charges. That's *not* counting civilian charges being brought up against one of Bridgeport's "lowest." I relate this true tale as a joke, 'coz if the fuck-faced pigs can't keep order (what's that?), then maybe we should get a new system...Lt. Comm. Rosenthal?

Patrolman Hassle?

—Adolph Christ

Bridgeport (Armpit of New England),
Connecticut

TIPPER GORE IN DRAG

Bill Kelly is a conceited jerk who doesn't deserve two sentences, much less two pages. Tipper Gore in drag.

—O.S.

St. Paul, Minnesota

We sure wish you Deadheads would lighten up on Kelly.

DON'T LEGALIZE

I recently purchased your September issue and was very impressed. However, one thing disturbed me: the article on NORML and its objectives. This group complains about the federal government, but fails to realize that if weed is legalized, it's growth and sale will be under strict control. Marijuana

will be heavily taxed and this may raise its price even higher than today's. Think of all the growers that will be put out of existence. I think if NORML achieves success, a lot of people won't be happy with the end result.

—Bayou Boy

New Orleans, Louisiana

Jon Gettman, national director of NORML, responds: "NORML is more concerned about individual people than making money. We are unimpressed with the argument that legalizing marijuana will make it less profitable. Anyone—politician, police officer, or grower—who is content to see marijuana smokers go to jail (so they can continue to roll in the dough) is greedy, self-centered, and short-sighted."

CLONING TIP

A reader who signed himself "Your Big Fan" in the October '87 issue said he was looking for a book on cloning. Urban Plantation carries such a book. By the way, your magazine tells it like it is, and I like that.

—M.S.

Louisville, Kentucky

ALTERED STATES II

I'm writing in response to the "Altered States" letter in the October issue. LSD feeds on vitamin C: the more you have in your system, the better the trip. I used to take five 500 mg tablets soon after taking a hit. It made my trips more enjoyable and intensified the colors. Also, I never felt burned out the next day.

—S.M.

Downey, California

Phoenix, Arizona

SAFE HARBOR

In October we published a letter from a couple looking for a safe island where one could smoke marijuana. We received a reply from Carl Eric Olsen of the Ethiopian Zion Coptic Church, who informs us that CBS did a special report on his church on *60 Minutes* on October 28, 1979. The church has chapters in the U.S. and Jamaica, and members smoke large amounts of ganja as part of their religion. For more information on the church write Mr. Olsen at P.O. Box 3581, Urbandale, Iowa 50322.

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PHOTOTRON 2

HAWAII VS THE PHOTOTRON

Hello, my name is Jeffery Demarco, President and Founder of PYRAPONIC INDUSTRIES.

My master's thesis is on the cannabinoid profile of marijuana. I tell you this for historical footnote only.

In pursuit of my own master's thesis, I generated the most extensive popular literature library in the world. Then, I generated the most extensive scientific bibliography in the world. I then went into a laboratory under Federal license at a major university in which I designed a laboratory grade growth chamber called the PHOTOTRON.

If you read all of the popular literature: I did. All of the scientific literature: I did. And look at every apparatus that is in High Times, you will find one common denominator. Every system, UP TILL NOW, has attempted to re-create Hawaii. I suggest that when you finally achieve the re-creation of Hawaii, you can do NO BETTER than Hawaii's results. AND WHAT ARE HAWAII'S RESULTS?

In fact, you will grow the plant 6 to 9 months, 6 to 12 feet tall. In fact, you will average a 6-inch internodal length (distance between budding sites). In fact, have a 10% budding ratio at the tops of the plant. In fact, throw away 90% of the plant material (leaves/shake). And in fact, YOU MUST START ALL OVER AGAIN.

Look. The only thing I'm waiting nine months for is a baby, number one. Number two, I do not want a tree in my house. And number three, I am not going to pay the ELECTRIC BILL TO PRODUCE THE SUN somewhere in my closet. Do not let its pretty looks fool you. Do not let its size (3½ feet tall x 18 inches wide) fool you. Do not let its weight at 17 lbs. fool you.

The PHOTOTRON will draw \$4.00 per month in electricity (average). My system is totally different.

In fact, you will grow 6 plants three and one half feet tall in 45 days, guaranteed. You will maintain a one-inch internodal length, guaranteed. That each plant will produce 1,000 budding sites, FROM TOP TO BOTTOM, guaranteed. And there will be 6 plants per individual PHOTOTRON, guaranteed.

And this is the only system in the world where you can re-flower and re-bud the exact same plants every 45 days, up to nine times per year without killing them off. EVER. Then, you may re-flower and re-bud the exact same plants every 45 days up to nine times per year while you remove from the system every single solitary day. Every day (average 6-8 oz. every 45 days). You remove from the PHOTOTRON every single solitary day, beginning on day 20 from seed germination.

I, personally, guarantee and service back the PHOTOTRON, so do not let its technical nature throw you. You will require THREE PAGES OF INSTRUCTIONS ONLY. Because the system is TOTALLY COMPLETE. You will do three things: 1. Select your seed. 2. Plug the system in. 3. Water it.

Then, if you have any questions at all, you may call me direct. Ask your question. Get your answer. And carry on about your business. You cannot fail with my PHOTOTRON. I do not allow any of my PHOTOTRONS to fall below SHOW-CASE. I have personally guaranteed every PHOTOTRON that has ever been sold. And I have never had one returned. I am not starting now.

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Jeffery Julian De Marco



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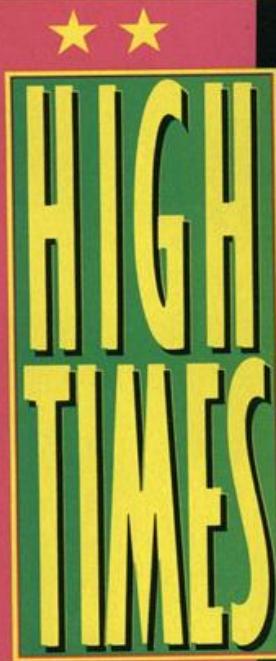
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HIGHWITNESS NEWS

JANUARY '88 • NO. 149

Acid Rain: Voodoo Science? (Page 21)
Court Voids "Ecstasy" Prohibition (Page 28)



BOHUMIL KRCIL

Urine-testing expert John Morgan addresses the sparse crowd at last October 24th's NORML rally

TOMMY, CAN YOU HEAR ME? POT PROTESTERS RALLIED BY GETTMAN AND ROSENTHAL

by Steven Hager

No one knew what to expect when Ben Masel announced the 7th annual Great Midwest Harvest Festival. In 1985 the event (one of the oldest of its kind), had drawn a paltry 300 protesters. But perfect autumn weather and a new spirit of activism combined to inspire 10,000 protesters to defy their governor's orders and storm the Capitol grounds, with NORML National Director Jon Gettman and HIGH TIMES senior editor Ed Rosenthal leading the charge.

The angry crowd alternated between chants of "Free the Heads, Jail the Feds!" and "Pot's an Herb, Reagan's a Dope!" The event drew widespread media coverage, much of which was sympathetic: the *Wisconsin State Journal* took a potshot at their governor with the headline: "Thompson's Vows Go to

Pot." (The day before the governor had emphatically announced "there would be no more pot rallies on Capitol grounds.")

The police came to arrest the protesters, but changed their minds quickly after seeing the size of the crowd. Jon Gettman, who only recently became NORML's national director, seized the day and rallied the crowd. "Jon is an impressive speaker," said Rosenthal when contacted a few days later. "I didn't realize it until last week. He's changing NORML from a lawyer's lobbying group into an activist, grassroots movement. And it's working."

Once at the Capitol, the crowd taunted the governor with calls of "Tommy, can you hear me?" Rosenthal was described in local papers the next day as a "rabble rouser." For a more in-depth report, see NORMLIZER—page 25.

PISS TEST PROTEST FIZZLES

Following a successful rally in Madison, Wisconsin, NORML moved quickly to organize a New York City protest against urine testing. Held on October,

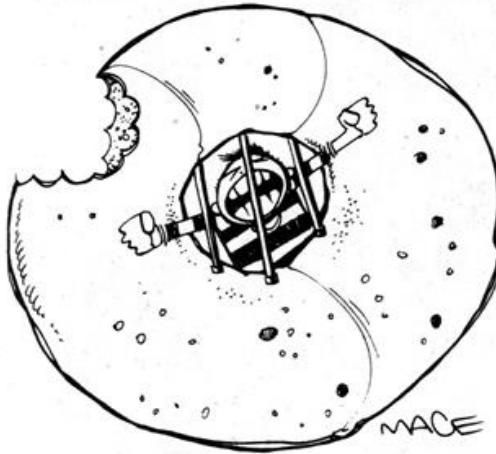
24, 1987, the event pulled a disappointingly meager crowd.

Urine testing has already cost thousands of American workers their jobs, so one would expect a growing resentment against the practice. However, thus far it has not become an election-year issue. Among the millions of pot smokers in the New York area, only 100 managed to show up. Even Abbie Hoffman (who has written a book to cash-in on piss testing, and who was paid \$200 by NORML for travel expenses) failed to make an appearance.

There was one bright note, however: the appearance of Norman Siegal, director of the New York Civil Liberties Union, who gave an impassioned speech against urine testing. His organization plans to work closely with NORML in attempting to pass a piss-test ban, similar to the one that has already been enacted in San Francisco.

"The values and principles embodied in our society—the right of privacy, fairness, presumption of innocence—are important concepts," said Siegal. "Mandatory drug testing should make any fair-minded New Yorker cringe. We view it as an unwelcome technological intrusion." ●

HIGHWITNESS NEWS



POPPY SEED BAGEL PUTS MAN BEHIND BARS

How ridiculous are piss tests? Here's a case in point. Anthony Clarizio had been busted for loansharking and was finishing the last five months of his two-year sentence in a halfway house in Hartford, Connecticut. He was allowed a home visit and shared a meal with family and friends. When he returned to the halfway house, he was routinely tested for internal narcotics possession. The test came up positive for morphine.

The 55-year-old Clarizio had apparently eaten a salted bagel that contained some poppy seeds. Although prison authorities determined that he had not taken morphine, they pointed out that the ingestion of poppy seeds was illegal for inmates, as it tends to screw up their tests. So instead of laughing and forgetting about the whole thing, Clarizio was sent back to prison, where he had to finish out his term in rather rougher circumstances than he'd been in before eating the bagel. Said his lawyer, "The bottom line is they are sending this guy back to jail for entirely innocent behavior." Federal officials, on the other hand, said that the ruling was necessary to prevent drug abuse among prisoners. Sure. ●

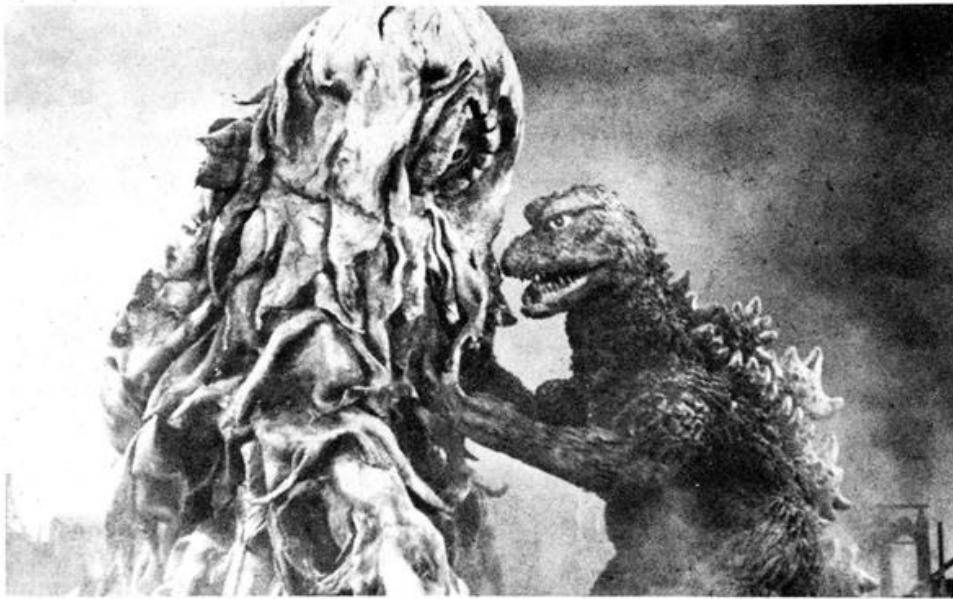
"1984" ARRIVING A LITTLE LATE

In 1984, George Orwell's frightening vision of the future, the all-powerful State controlled every aspect of its citizens' lives. People were monitored by machines day and night: privacy and individual rights were outlawed. Slowly but surely, this scenario is becoming reality.

A government report on surveillance in the workplace was recently issued. Called "The Electronic Supervisor: New Technology, New Tensions," it revealed that some 8-10 million workers are currently being watched and graded by computers where they work. This could easily double in the next few years.

Don Edwards, a Democratic Representative from California who had initially requested the report, responded to the findings by saying, "Every day we are seeing new invasions of the privacy and dignity of workers. People should not be forced to surrender their privacy and dignity when they go to work. We have occupational health and safety laws to protect workers' bodies. Now Congress needs to respond to technological threats to their dignity and privacy." Mr. Edwards' remarks were carried in an article in *The New York Times*.

Conspicuously absent from Edwards' comments was any reference to mandatory, random drug testing in the workplace as being intrusive, degrading and a total destruction of an individual's rights to privacy and dignity. ●



Everybody's favorite thunder lizard cozying up to his own Polish bride.
Photo ©1971 American International Pictures

POLISH BRIDE CRUSHED BY GODZILLA

If you had to choose between watching the umpteenth rerun of **Godzilla vs. The Smog Monster** or making love to your new bride on your wedding night, what would **you** do? For 29-year-old Leon Giurek it was an easy decision, but it left his 18-year-old bride Jana filing for divorce four days later.

The Polish couple were united in a church ceremony and then traveled to a swank Warsaw hotel for their honeymoon. They checked into the bridal suite, ordered a sumptuous meal from room service—including two bottles of champagne—and got ready for their first night of nuptial bliss. Except a funny thing happened on Jana's way to the bed.

The former Mrs. Giurek went to the bathroom to make herself beautiful and seductive. When she came out, she said that she was "in my

beautiful negligee and Leon was all excited. I thought it was me he was excited about, but I was mistaken."

Leon had passed the time by reading the Polish equivalent of **TV Guide** and found, much to his great surprise and delight, that his favorite movie was about to come on: **Godzilla vs. The Smog Monster**. He was so thrilled that he even ordered up coffee so that he'd be sure to stay awake for the whole flick. Jana was not amused and promptly pulled the channel knob off the TV. So Leon did the only thing he could: he packed up and split—probably to find a late-night TV-bar that was showing the movie.

Leon's actions were justified by his lawyer, who said "He feels he should not be dictated to by his wife. He has no intention of putting up with that. Leon saw what he was in for and got out as quick as he could." Damn right! What kind of guy would stay with a voluptuous, sex-starved woman who wanted to make it on their wedding night instead of watching a kitsch classic like **Godzilla**?

The moral of the story is clear: Check out your potential mate's movie preferences **before** the wedding. ●



JAMES ROMBERGER

REAGAN ACID RAIN REPORT "VOODOO SCIENCE"

Is there anyone out there who still doesn't know what acid rain is? It's the stuff that causes the pitting and corrosion on your car; the stuff that is eating away building facades and foundations; the poison that kills freshwater fish, plants and whole lakes. It comes from pollutants—mainly sulfur and nitrogen oxides—that rise up into the atmosphere, undergo a chemical change and then fall back to Earth in the form of acidic rain, snow, fog or dry particles. Its chief source is coal-burning factories

and power plants.

Under the force of a congressional mandate, the Reagan Administration ordered a study on the effects of acid rain and a preliminary report was issued late last September. Its totally astonishing conclusion was that "there is little evidence that acid rain poses a broad threat to the environment or public health," according to *The New York Times*. In the wake of its release, the report was loudly criticized by environmental scientists both here and in Canada.

The Canadians have been complaining for years that acid rain caused by U.S. factories and power plants has been killing freshwater lakes in the eastern provinces and causing severe damage to the forests in the area as well. After reading the report, Canada's environmental minister damned the study as

"voodoo science."

It is clear that the preliminary findings are politically motivated—more science fiction than science. The Reagan Administration is on record as being against any broad-based pollution controls that are costly. This is the same kind of head-in-the-ground thinking that has led to such problems as toxic waste sites being developed for housing, and the licensing of nuclear-power plants without any thought given to the disposal of radioactive waste. One of the study's findings was that only two percent of the lakes in the northeast of the U.S. are acidified, which means that the level of acidification in those lakes is high enough to be toxic to fish and plant life. Two percent does not seem like a big problem. But environmental experts say that the only reason the study came up

continued on page 24

MILITARY TAKES OVER SPACE INITIATIVE

With the awarding of three \$25 million contracts for prototype production, the proposed hypersonic jet dubbed the Orient Express got off the ground last October. Unfortunately, the National Aerospace Plane (its official designation) is being developed for military use first, with civilian applications coming further down the line.

The jet, which will travel at just under orbital altitude at speeds up to 17,000 miles per hour, was first proposed by President Reagan in his 1986

State of the Union address as a means of speeding up civilian travel (two hours from New York to Tokyo) and aiding international commerce. However, the Air Force is eager to add the jet to its own arsenal, for use as a surveillance craft and for the near-instant transportation of "rapid deployment forces," according to an article in *The New York Times*.

Contracts were awarded to General Dynamics, McDonnell Douglas and Rockwell International, the country's three largest aircraft manufacturers. The winning design will be backed by a \$4 - \$8 billion commitment to produce jets for deployment by the end of the next decade.

The military has been involved with America's space program right from the beginning. Early rocket development was in the hands of the Ar-

my and the Air Force. However, when President Eisenhower created the National Aeronautics and Space Administration in the mid-'50s, control was handed over to the civilian agency. Since then, the military has been trying to regain control. One of the reasons for the development of the space shuttle was the military's insistence on a presence in space. The creation of a second shuttle launch and recovery center in Southern California was precipitated by military pressure and planned for military shuttle missions. In the wake of the **Challenger** disaster, the majority of shuttle flights, when they begin again, will be military missions. Reagan's call for the development of a hypersonic jet was thinly disguised as a commitment to a new civilian program, but it was his military advisors who pushed for it. ●



WIDE WORLD PHOTO

Aborted Supreme Court Justice Douglas Ginsburg showing the effects of nominatus interruptus.

THE IMPAIRED JUDGMENT OF GANJA GINSBURG

by Lou Stathis

After seeing Ronnie Red-Face's second straight Supreme Court nominee go down in flames, it's time to talk about the *real* reasons for Ginsburg's plunge—circumstances now clouded by a media-puffed stinkweed smoke screen.

According to current news-media mythology, the lucky candidate—Appeals Court Judge Douglas H. "Ganja" Ginsburg—was shamed into his abrupt withdrawal by revelations of some indiscreet social toking back in his wild youthful years—the late '60s and '70s. You remember those days, when weed was easier to come by than alcohol (didn't even have to leave the premises to buy the stuff), and campus parties were thicker with pot smoke than carcinogenic tobacco vapor. But casting aside all nostalgia, it must be noted that considering the guy's age—41—and the sin-den that he spent those years in—Harvard—he'd be weird if he *hadn't* tried the stuff once or twice. Such provincialism would show a distinctly narrow-headed lack of intellectual curiosity—kinda like if he and his wife had never engaged in certain common sexual practices that many states still regard as illegal. ("You want me to put

it where?")

But as much fun as it was to watch conservatives scrambling to defend their boy's youthful "mistakes" (could you see them doing the same for a "liberal" pot-smoking nominee?), and the subsequent confessional rush of everyone from Al and Tipper (Ms. PMRC) Gore to Newt (Bomb Managua) Gingrich—it must be noted that mere marijuana-McCarthyism wasn't the key factor in Dopin' Doug's demise. Nope, it was the sudden unmasking of a possible closet libertarian that worried moderate Republicans and doctrinaire conservatives far more. These are the guys—led by chief swineherd Ed Meese—whose main agenda for the remainder of this lame-duck administration is to institute as much retrograde social legislation as possible, while stacking the judicial infrastructure with as many Right-thinking tightasses as can be yanked from whatever Pre-Cambrian swamp these amoebas spring from.

Ginsburg was a hasty choice, not fully examined by the Dogma Doctors who only asked him the usual vague questions—like, "Is there anything in your past that might embarrass us?"—and didn't query directly, "Yo Doug, blow any weed lately?" The answer to that might've tipped them off, as would've further probings into his comparatively undocumented past (like the quickly retracted story from his ex-wife that he'd advised a rape victim to undergo an abortion-like procedure; or

the fact that the Canadian cable company he owns a huge chunk of stock in has U.S. affiliates that carry the laughably-lecherous Playboy Channel). Suddenly, the notion that Ginsburg might not pursue the Meeseian Legion of Decency's repressive social agenda as doggedly as Bork, dawned bright on Neanderthal brows. That's when the backpedaling overdrive kicked in, and word was sent out through Secretary of Education Bennett that maybe the cannabis-crazed candidate should Do The Right Thing and pull out (nominatus interruptus, you might say).

A pathetic display of cowardice and duplicity this, but one typical of Reagan's administration. More than likely these clowns have *really* fucked themselves now and pushed it to where they *have* to nominate a more moderate guy next time, or face further humiliation. We'll see what the Judge Anthony M. Kennedy dragnet dredges up.

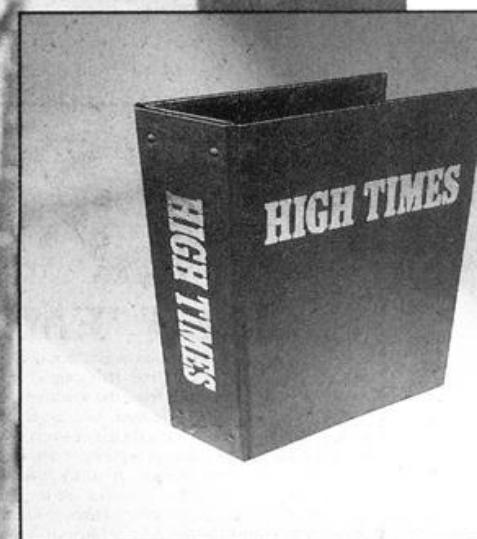
One beneficial spin-off of this brouhaha is the resurgence of interest in dope-law issues. Every news organization worth its Rolodex has taken to the phones, calling the HIGH TIMES office for expert commentary and polling the country on its views. *Newsweek* phone-jockeys queried about 500 citizens, and found that more than half of them believed that of public-office holders under the age of 50, *most* had probably used marijuana several times. Amusingly, this figure is *higher* than the estimated percentage reported by these people of their friends who smoke! A slightly higher number of interviewees were questioned by a *New York Times/CBS* News poll, with a similar more-than-half chunk believing that most lawmakers under 50 have toked a few in their time. Both organizations report overwhelming majorities rejecting the notion that weed-woofing has any bearing on a joe's ability to govern. (Anybody have any figures on the number of alcohol-impaired office holders we've had over the years, and whether this odious habit should be held against them?) An informal but highly scientific HIGH TIMES office poll reveals that several staff members are eager to confess to making "mistakes" back in the '60s and '70s, and that, no, these indiscretions did not interfere with their ability to put out this magazine. What a relief.

Also encouraging is the outcry raised by such "mainstream" columnists as the *N.Y. Daily News'* Lars-Erik Nelson and *The New Republic's* Hendrik Hertzberg, who've pointed out the continuing Reagan administration double standard: if Judge Ginsburg can be forgiven his doping, what about the thousands of "criminals" this country has put through the legal wringer for minor pot possession? Shouldn't they be pardoned? We'll see if anything comes of this... ●

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ANDRE GROSSMANN



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HIGHWITNESS NEWS

continued from page 21



with that figure was that they used the wrong criteria. Lakes may become toxic when the pH level is six or less. The government study used a pH level of 5 or less. The difference is significant. Using the proper value, the percentage of acidified lakes in the region rises to a frightening 20 percent...and still growing.

Questioned about the apparent political motivation for the report, the director of the program, J. Laurence Kulp, said it was prepared with "total professional honesty." Asked why the scientists who worked on the study have not been heard from, Kulp responded indignantly that "there [has been] no pressure from me. I have and continue to welcome any scientific criticism."

However, several scientists involved with the report said that they feared they would lose their government grants if they publicly criticized it. One of those scientists, who did not want to be identified, revealed that "There have been pressures on everyone not to say anything; people's careers are in jeopardy." That might explain why Kulp hasn't heard any criticism from his staff. ●

1988'S FIRST PRO-MARIJUANA PRESIDENTIAL CANDIDATE

Herbert Mahabir, running for the Republican nomination for President of the United States, proposes that legalizing drugs, prostitution, and gambling would wipe out the budget deficit and end organized crime, and has made it a part of his political campaign. As his promotional literature states, "Our waging of the 'War on Drugs' is as if we had fought Hitler by giving him our defense budget!"

Mahabir admits that his chances of winning are practically nonexistent (especially since he describes himself as a radical right-wing conservative), but it's good to see any presidential candidate raise legalization of drugs as a campaign issue. If you want to contribute, or get more information, write to: Herb Mahabir for President, P.O. Box 5543, Mesa, Arizona 85211. ●

HIGHWITNESS NEWS

continued on page 28

NORML = IZER

Takin' It to the Streets

by Jon Gettman, NORML National Director

Over the last year, we have heard much about the Constitution and its intricate mechanisms that preserve our democratic way of life. With great reverence, we remember James Madison of Virginia as its architect. What we have forgotten, though, is that Madison's machine, like the society created around it, was meant to respond to the human spirit.

We have to prove there is public support for change, and, for that matter, that we are a sizable part of the public. Until then the leaders of our society will ignore our calls for justice.

In the aftermath of the anti-Vietnam War movement, Dana Beal and the Yippies started a tradition of protests, otherwise known as "smoke-ins," to demonstrate their opposition to the marijuana laws. Critics, including NORML, have complained that public marijuana smoking sends the wrong message to the non-marijuana-using public and reinforces the stereotype of the marijuana smoker as a relic from the 1960s with long hair, tie-dyed T-shirts, and dirty, embroidered blue jeans. Furthermore, crit-

ics complain that such protests appear to advocate marijuana use, another immoderate message that was felt to be counter-productive.

My position amounts to this: so what?

It is hypocritical to advocate respect for individual liberty and then criticize people for exercising it. Style is arguably important for protest, as it determines how vivid a message the public gets from the protest. But form follows function, and the function of a protest is to display a true expression of the people's feelings.

In 1987 I reinvolved NORML in public protest with a small demonstration on April 15th in Washington, and another rally in New York City on October 24th. The significant rally of the year, though, took place in Madison, Wisconsin in late September—the Midwest Harvest Festival.

When Ben Masel, one of the festival organizers, invited me to speak, he mentioned that the governor had done them a favor. It seems that Governor Thompson of Wisconsin made a campaign prom-

continued on page 30



BOHUMIL KRCIL

Jon Gettman, NORML's National Director, rabble-rouses the crowd.

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	Hash Plant, "the most potent bud around"	oz lb	400 4000
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	Acid, "too much strychnine going around"	hit	3-6
Alton, ME	Indica-sativa clone crops C#32, "connoisseur kolas"	lb	1100-2000
	Pure indica or sativa clone crops C#42, "excellent quality kola"	lb	950-1100
	Northern Lights big bud hybrids, "top-shelf kolas"	lb	1300-2000
	Vintage '87 harvest bud, "a blend of buds from '87"	lb	850
	Hawaiian sativas, "gone sailing"	lb	1500-2000
	Gold Thai stick, "dreamland express"	lb	1100-2000
	NORML Special Bud, "funding the resistance and the National Cause"	lb	donation
	Panama Red	lb	800
	Jamaica Lamb Jam, "quality"	lb	800
	Brown and black hashes, "definitively move ya spirits, funding the Mujahideen Freedom Fighters"	kilo	2500
	Khyber Honey Oil, "as they say here, wicked good stuff"	oz	200
	Hand-rolled Charas, "for a select few"	oz	250
	Maniac Highlander Kolas, "sacred ceremonial kola, alien lifeform, you won't find better"	lb	1700-2800
	'Shrooms, "freshly dried"	lb	1000
	'Shroom, Holiday Drink, "very mind-altering"	gal	500
	Burmese Opium, "a gift from God"	oz	300
Athens, GA	Homegrown GA weed, good high, moderate maturity, "who got greedy and harvested too early"	1/4-oz oz	35 110

Send quotations to: THMQ, 211 E. 43rd St., New York, NY 10017. THMQ is intended solely for informational purposes. All entries should be typed or neatly written: If you are unable to compose a legible entry after testing your samples, please wait until you have control of your penmanship before sending us your information. Marijuana is listed by 1/4-ounce, ounce, 1/4-pound and pound prices only. Don't bother sending prices for hard drugs. Prices in this issue are current as of October 15th, 1987.

Mexican, compressed, nice buds, "plentiful"	1/4-oz	35	
Afghani weed, big green, sticky stuff, pick of the litter buds, "low quantity"	1/4-oz	40-45	
Acid, Globe, "green and mean"	hit	5	
Acid, Berkeley White Lightnin', "very intense, very clean"	hit	6-7	
Coke, purity fair to good (70%) tops, "for the BMW crowd"	gm 8-ball	80-90 240	
Boston, MA	Jamaican Brick Weed, "killer smoke, 2 hits"	1/4-oz	60
	Brown Buddha, "looks beat, but pleasantly surprising, locally grown"	1/4-oz	35
	Cambridge Green Bud, been long suspected that hippie pros are dabbling in horticulture again, "no better value around"	lb	1300
	Afghani Black Hash, "very dark but not incredible"	1/4-oz	45
	Nigerian-Kandahar "unfucking-believable, thank you S.S.S.C., thank you, thank you, thank you!"	lb	2100-2500
	William's Wonder "the great head-cruncher, half a joint and you enter a new astral plane, yow!"	lb	2100-2500
	Skunk #1, "life is good, if you finish a joint, don't drive"	lb	2500-2700
	Typical commercial, "sux, seedy, stems"	1/4-oz	35-40

Seattle, WA	Green bud, smokeable indica	1/4-lb	500-650
	Black Hash, "in great demand"	1/4-lb	600
	Acid, Kelly Mouse Studio Covers, "nice graphics"	sheet	75-125
	Ecstasy, "4-8 hits in a gram"	gm	80
	Cocaine, "price steady, but purity up"	1/4-gm	25
Tulsa, OK	Skunk bud, "grown indoors by pros"	1/4-oz	30
	Homegrown sinse, "good high, not harvest time yet"	1/4-oz	25
	Comm. Colombo, "seedly bum high, pass it up"	1/4-oz	100
	Acid blotters, "clean and strong, 1/2-hit stuff"	one	5
	Coke, "some good, some real bad"	gm 1/8-oz	100-120 250-350
AROUND THE U.S.			
Arlington, MA	Sinse, red-haired, "intense stuff"	1/4-oz 1/2-oz	50 90
	Indoor indica, "exc. taste & stone"	1/4-oz	150
	Hash, black, "exc. high"	lb	2200
	Acid, Octopus, "OK trip"	hit sheet	5 300
Baltimore, MD	Killer Skunk	1/4-oz	50
	Flowers, indoor grown	oz 1/4-lb	175 600
	'Shrooms, indoor grown	gm 1/4-oz	8 40
Claremont, CA	Indica leaf, "shitty, need several hits"	1/4-oz	30
	Mexican, "stemmy and seedy, but but gets you high"	1/8-oz 1/4-oz	20 30
	Thai, "good, one hit does it"	1/4-oz	60
	Hawaiian, "radical"	1/8-oz	35
	LSD, pigs, "long-lasting, but lots of strychnine"	hit	5
	LSD, Red Stars, "killer"	sheet	50
	LSD, blotter, "good"	10 sheets	400
	Coke, "big rocks from the right people"	gm	80
	Coke, "shitty cut"	1/4-gm	25
Dearborn, MI	Jamaican Red, "best of its kind"	1/4-oz	55 200
	Real skunk, "green, smelly and gooey"	1/4-oz	45
	Monkey Paw Buds, "all bud no shake, primo stuff"	oz	250
	Thai, "grown with opium, knock you on your ass"	oz lb	300 2300
	Mexican Red Hair, "smoother around, lots of seeds"	oz	220

TRANS-HIGH MARKET LETTERS



East Moline, IL	Marijuana, "seedy shit, all shake"	1/4-oz oz	25 90
	Good marijuana, "seeds, a lot of buds, some red hairs"	1/4-oz oz	30 100
	Good weed from con-artist, "only worth the \$120"	1/4-oz oz	40 160
	Two-Tone Hash, "kicks my ass"	gm	9
	Acid, blotter, white with black stripes, "excellent"	ea	4
	Nice, rocky coke	gm 8-ball	25 275
Long Island, NY	Colombian dirt, "looks, smells, and tastes good, but sucks"	1/4-oz oz	15 50
	Chocolate Thai	1/4-oz oz	70 240
	Fresh Green Sinse	1/4-oz oz	50 180
	Good Skunk, "good weed for price"	1/4-oz oz	35 120
	'Shrooms	gm	7-8
Oklahoma City, OK	Purple Mescaline	one	3
	Cocaine, "just in from Colombia"	gm	85
	Skunk #1, big buds, stinky smell, sweet taste, "excellent high"	8-ball 1/4-oz oz	220 30
	Colombian, "very good"	1/4-oz	100 275
	Red-hair sinse	1/4-oz	25-30
	Mexican <i>sativa</i> from our friends in Texas, "good stone"	1/4-oz oz	25 80
	Panama Red, very red buds, strong aroma, "very potent"	1/4-oz oz	60 200
	Homegrown, "good high, not long-lasting"	oz	50
Omaha, NE	Colombian, green-brown to red	1/4-oz	30-35
	Sinse, sweet-smelling, "nice buzz"	1/4-oz oz	40 140
	Sinse, pure shake, "good buzz"	1/4-oz	35
Palos Verdes, CA	P.V. Bud, "grew it myself, pretty stoney"	1/4-oz	20
	Northern California Skunk, "primo high, one hit does the trick"	1/4-oz	50
	Chocolate Thai, "tastes great, excellent shit"	1/4-oz	45
	Thai, "makes you talk to Buddha"	1/4-oz	45
	Mexican Red Hair, "good bud, worth every penny"	1/4-oz	35
	Shit weed, "tastes like dirt but oh well"	1/4-oz	25
	'Shrooms, "oh what a feeling"	gm	5
	LSD, Global, "trip out man"	hit	2
	Cocaine, "100% Colombian flake, good shit, great price"	gm 8-ball	75 140
Pomona, NJ	Homegrown skunk, "better to smoke the \$20"	1/8-oz 1/4-oz	20 40
	Red-Hair sinse, "same old high"	1/8-oz 1/4-oz	20 40
	'Shrooms, "good trip"	1/8-oz 1/4-oz	20 35
	Acid, Clown, Music Notes, Happy Trails; "high, no colors"	hit	2-4
	Acid, Led Zep, "great colors, excellent ride"	hit	2-4
	Coke, "rock steady"	1/8-oz 1/4-oz	150 275

IN THE BOONDOCKS

Pinconning, MI	Homegrown Purple, "polio-type buzz"	1/4-oz oz	50 200
	Black Magic Acid, "the way it used to be"	hit	5

CALIFORNIA

I am presently an inmate at the Federal Correctional Institution at Terminal Island, California. I was busted in July of 1986 in the San Bernadino National Forest for growing pot. I was given a four-year sentence, plus two years special parole for this "extremely dangerous criminal act." (And no, I was not an extremely large scale grower as I had only 600 plants and had not pulled my males yet because the plants were not showing their sex—they were still in the vegetative state.)

Anyway, I just wanted to warn HIGH TIMES and your readers about the consequences of being busted for growing on federal property. All I want to do when I get out of here is leave the country and go somewhere where the U.S. government cannot bother me. Got any suggestions? By the way, a "special term" starts after you have completely done your original sentence. If you were to smoke a joint and then be given a urinalysis test by your parole officer, and that test comes back positive, you would then be arrested and sent back to the joint to serve out your "special parole" term—which in my case would be two years in prison for smoking a joint. Sounds more like Nazi Germany than the "land of the free," doesn't it?

Mark L. Stephens
IM. No. 84265-012
Terminal Island, California

OHIO

Here in the remote parts of southeastern Ohio, the drought for good, green, sticky, smelly buds has about come to an end. Sure there was brown shit around, but who needs that stuff? Some Jamaican and unidentified sinse came through occasionally, but not often.

It was not too good a year so far for me, because I lost my first patch about three weeks ago, and they got all my pure strains. Out of 75 plants, only three Afghani plants about five feet tall and round as a pine tree, three Skunk #1s and five indicas survived. The groundhogs and deer about ruined me. Not even fences or poison would stop them.

Then, a week later, one of my other patches was discovered by a squirrel hunter, but he did

not get much, for he thought I shot at him when I shot at a squirrel in the lower part of the patch. Boy could he run. Still, it forced me to pull my plants early. They ranged from one 13-footer to a few 5-footers, a total of 20 plants (two for the squirrel, but it was killer stuff). Me and my friends will be high for a while. I still have about 20 females out. Sure hope they make it. Bye for now.

The Old Man Getting High with Friends
Southeastern Ohio

OKLAHOMA

Dear Missouri: I hear your skunk's a little bit better, sure is more expensive, but I hear it's worth it. I'd pay. Make an offer.

In Need of True Skunk
Duffman
Tulsa, Oklahoma

NEW YORK

I live in Buffalo and I never saw it so bad. The indoor homegrown is \$280 for an ounce. That's too much cash. There is a little shit brown weed at \$20 a 1/4-ounce. The coke is great because we go to Florida to get a good deal. I wish Colombian Red Bud five-pound bricks would come back so I don't have to go to Colombia. Fucking "A"! Somebody help out the Queen City!

Red As Hell
Buffalo, New York

Attention Growers!

Have you been busted and lost property through the forfeiture law? If so, please write a brief description of what happened and send it to Espy LaCopa, HIGH TIMES, 211 East 43rd St., NYC 10017. We'll run as many letters as we can.

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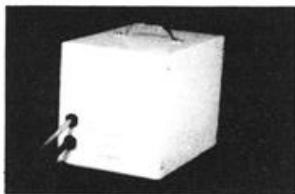
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HIGHWITNESS NEWS

continued from page 24

NO-FAULT ORGANIC FARMING

A hard-working group of farmers in southwestern Massachusetts have come up with an inspired twist on organic cooperative farming. Called **Community Supported Agriculture**, the group started in 1985 with the following goals: to provide its members with organically grown produce that is free from pesticides, herbicides, wax coatings or additives, and to eliminate the chance of the farm going under by soliciting members before planting.

COURT VOIDS "ECSTASY" PROHIBITION

In a landmark ruling, a U.S. Court of Appeals judge struck down the classification of MDMA ("Ecstasy") as a Schedule I drug under the Controlled Substances Act in a decree issued this past September.

There are five classifications for drugs under the CSA. A substance may be classified as Schedule I if it is found to have: a high potential for abuse; no accepted medical use; no way to safely supervise its medical use. Marijuana and heroin are currently classified as Schedule I substances, for which the CSA mandates the most severe controls and penalties.

The Drug Enforcement Agency had initially classified MDMA as a Schedule I substance in 1984. The ruling was challenged but the scheduling was subsequently upheld in a 1985 decision. However, the ruling was challenged again, this time by Dr. Lester Grinspoon, an associate professor of psychiatry at Harvard Medical School. Dr. Grinspoon contended that his research on the therapeutic uses of MDMA would be eliminated by its Schedule I classification. He cited four reasons for the classification to be voided, challenging the DEA's assertion that the drug has a high potential for abuse and contending that the ruling was based "upon incomplete and arbitrary recommendations from the Secretary of Health and Human Services."

Dr. Grinspoon further contended that the DEA had applied the wrong legal standards in making its assessment and in classifying MDMA as a Schedule I substance. Grinspoon's arguments were eventually upheld and the ruling was vacated and remanded back to the administrator of the DEA "for further proceedings consistent with this opinion." The DEA may decide to reclassify, or sharpen its legal argument and continue to press for Schedule I classification. So stay tuned: a battle has been won, but the war continues. ●

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A N E W A G E S E R V I C E

COMIX

Winter 1975 No. 3

Special eight-page color Harold Hedd comic strip, Pot, Peasants, and Pancho Villa, Dope Defenders—the Super Lawyers, Hash-Rubbing in Kashmir, Don Peyote. \$25.00



Oct. 1976 No. 14

The Death of the Cheech Wizard (the Vaughn Bode story by Denny O'Neil), Lulu's Back in Town (eight pages by Trina), Stamp Help Out! The Pot Smokers (by Lenny Bruce), R. Gordon Wasson interview, Wild Parties (by Rex Weiner), Your Nose and Cocaine, DEA Probe. \$5.00



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Feb. 1977 No. 18

The Fabulous Furry Freak Brothers (by Gilbert Shelton), PUNK magazine insert (by John Holmstrom), The Silent Zone (by Glenn O'Brien), Jazz Boo, Hash Oil: Will It Solve the Energy Crisis?, Carnival! Going Nuts in Brazil, Drugstore Cowboys. \$10.00



Sept. 1977 No. 25

The Fabulous Furry Freak Brothers (Gilbert Shelton), Interview with Hunter Thompson, Skateboards and Sneakers, Absinthe, Murder on the Opium Express, Phosphenes, This Is Your Life, Federal Reefer Rolling Factory, Back to School Centerfold, Dope Sweeps Cannes. \$5.00



Nov. 1977 No. 27

R. Crumb Interviews R. Crumb (Exclusive Interview!), The Fabulous Furry Freak Brothers, Confessions of a DEA Agent, The Mighty Mezz—The Hep Cat Who Turned on Thirties Jazz (by Albert Goldman), White Slave Trade, Kill for Peace, Free the Heads, Bust the Heads. \$5.00



June 1979 No. 46

Zippy the Pinhead 8-page (by Bill Griffith), Wavy Gravy Interview, Hollywood, New Myths from Old Narcs (by Dean Latimer), Getting High With Society, Deadly Nightshades and Other Creepy Potions, Marijuana Around the World, Hollywood, Pylon Racing. \$5.00

Dec. 1980 No. 64

Me and Big Joe (illustrated by Robert Crumb), Zippy comic, HIGH TIMES Interviews Two Lady Coke Dealers, Big Man: Memoirs of an Ex-NFL Lineman, Christmas in Hollywood, High Interiors: Commander Cody, Santa Busted, Freed on Drug Rap, Grow American: Hawaiian Growers. \$5.00



Jan. 1981 No. 65

The Return of Dope Rider (by Paul Kirchner), plus comix by Holmstrom, Bagge, Carleton, Cavalieri, and Jorgy, Stephen King Interview, The Hash Monster of Afghanistan, Great Balls of Nepalese Fire, Christmas in Hollywood Part Two, Hare Krishna, Hare Krishna, Guns 'n' Ammo, Guns 'n' Ammo. \$5.00



Feb. 1983 No. 90

S. Clay Wilson: A Portfolio, Groupies as People (by Frank Zappa), The Road to Albermarle (Dope Fiction by Dean Latimer), Book Bonus: Thin Ice (by Larry Sloman), Blood and Guts in High School: Chapter Two: The Scorpions (by Kathy Acker), John DeLorean: Pusher or Patsy? \$5.00



July 1986 No. 131

Leave it to Cleaver comic interview (by John Holmstrom), The HIGH TIMES Trivial Pursuit of Everlasting Wisdom Through Drugs Quiz (by Dean Latimer), Acid Dreams, Aerial Smugglers Checklist, Ibogaine, The People's Republic of Pot, The Flight of the Sabre. \$5.00



June 1983 No. 94

I Remember the Sixties (by R. Crumb), Dick Gregory Interview, Songs of the '60s Experience (by Allen Ginsberg), Tales of the Zen Bastard (by Paul Krassner), Reefer Madness: The Rise of Harry J. Anslinger, Messianic Mind Spray: Swinging, Psychedelic London. \$5.00



Sept. 1985 No. 121

Underground Comix Redux, The Truth About Dinosaurs, Hunter Thompson Talks Tough, The Narc Who Knew Too Much, Nudes News, The Counterculture Counselor. \$5.00



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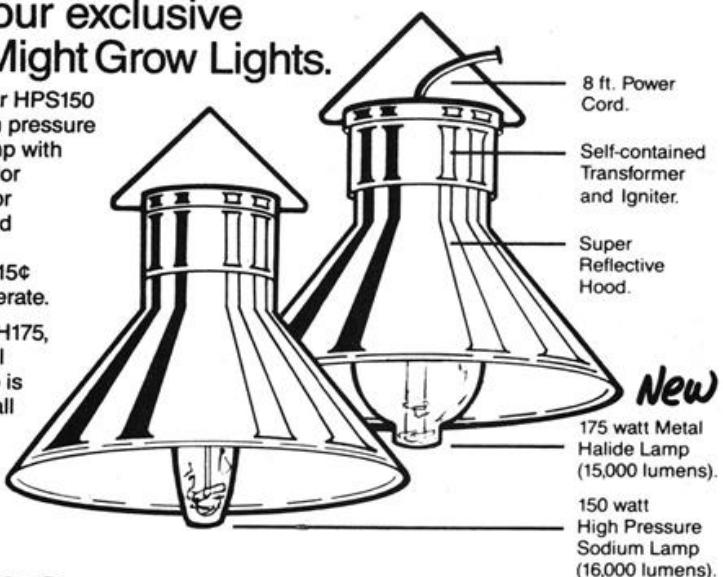
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N O R M L - I Z E R

continued from page 25

ise not to let protesters smoke marijuana on the grounds of the state capitol. Consequently, Masel couldn't get a permit for a rally at the capitol. The rally organizers went to court and got a favorable ruling, but the state was still able to keep them from getting a permit in time for the rally and announced that anyone smoking marijuana at the state capitol would be arrested. (The city of Madison, however, provided all the appropriate permits for a rally at the University of Wisconsin, as well as a police-escorted parade up to the state capitol grounds.)

The free publicity this controversy generated supplied the largest turnout at a marijuana-related rally this decade. With writer Ed Rosenthal and myself in the lead, 10,000 people marched on the state capitol to assert our rights to free speech. It was a proud moment.

Speaking for the crowd, I remarked that the governor claimed that we didn't have a right to free speech because we smoked marijuana. We were there to show he was wrong, that we did have rights, and that we were going to use them to change these laws. The media carried our message to the people of Wisconsin that night and throughout the next day. And they reported that, in a peaceful demonstration, without any arrests, marijuana smokers had called the governor's bluff and asserted their right to free speech at the state capitol.

The most remarkable aspect of the day was the spontaneous turnout of supporters. They didn't like hearing on the news that they didn't have free speech rights because they smoked marijuana. They turned out to stand up for their rights.

Years from now they'll be remembered for successfully standing up to the governor. However, as impressive as all the crowd shots were in the papers and on television, none of them really captured the feeling that characterized the event. The crowd *believed*. They believed they could make a difference, and they did. More important, they demonstrated that far from being a vice, marijuana use brought them together in defense of freedoms dear to all Americans—the freedoms of speech and assembly.

The 1987 Midwest Harvest Festival gives us all something to be proud of. The spirit of change. Isn't it time the spirit of Madison flourished nationwide? ●

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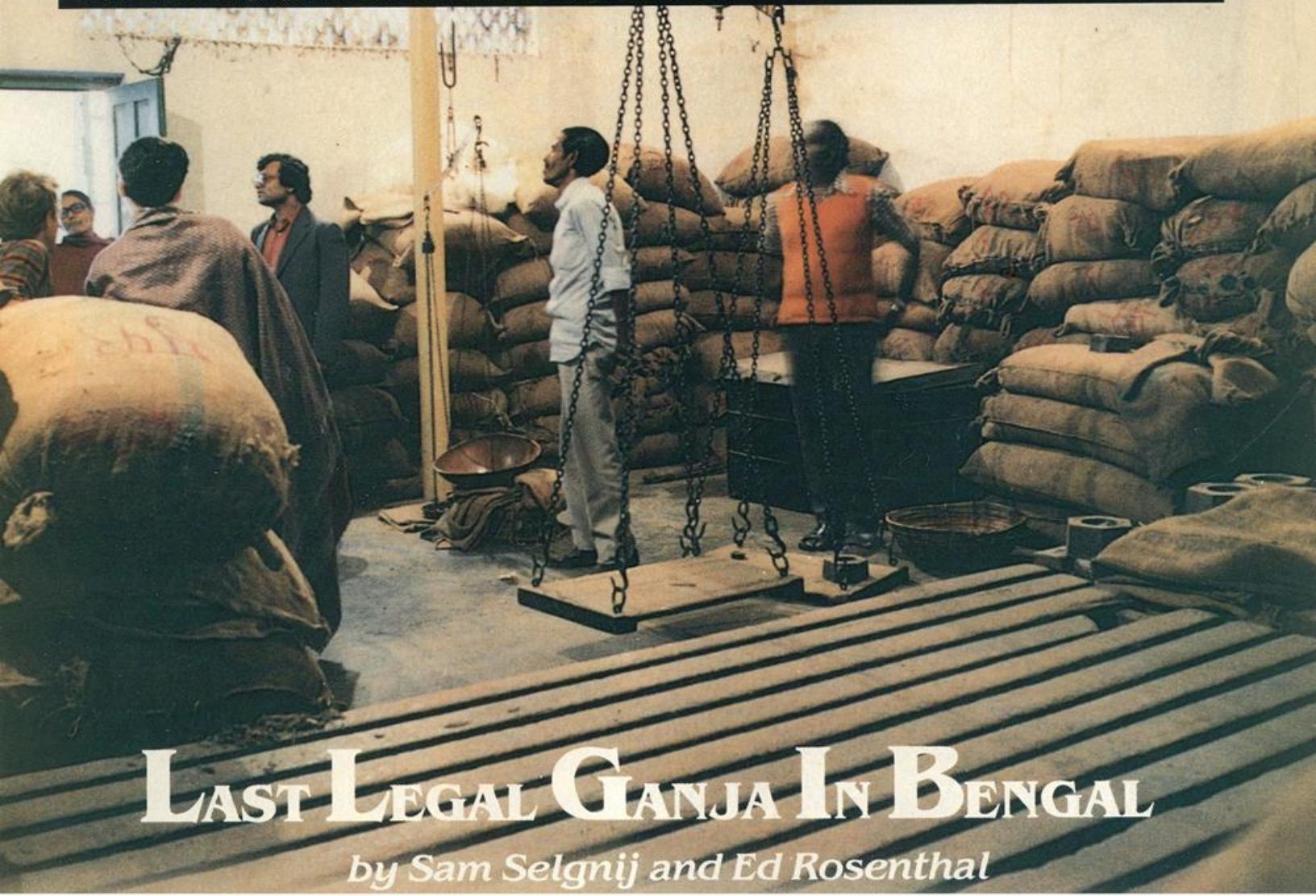
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The grass is weighed when it arrives. These are 50 kilogram sacks. There were several hundred bags in the locked warehouse. The ganja warehouse is run by the Excise Department.



LAST LEGAL GANJA IN BENGAL

by Sam Seligman and Ed Rosenthal

In 1986 I visited Calcutta, located in the state of West Bengal, in eastern India. Small ganja shops can be found throughout the city. I became friendly with one shop owner and he directed me to the wholesaler who supplied the entire state. I soon learned the sad story of cannabis in India.

Ten years ago West Bengal farmers produced some of the highest grade ganja found in India. Production was legal, and the government was involved in the trade. However, in 1964, India signed the Single Convention on Narcotics and Dangerous Drugs. By special provisions, India was given 25 years to stop the legal sale of all cannabis products. The time is up in 1989 and the Indian states are falling in line to implement the treaty's provisions. West Bengal has already stopped legal cultivation.

Now the wholesaler imports inferior products from other states in India, less ganja is sold (people do not like bunk pot), and the states earn less tax revenue than before. Ten years ago, the warehouse sold 17 quintals a month just in Calcutta. Now the warehouse supplies about two quintals a month to the whole state. (This is another proof of my theory that the better it is, the more you smoke. *Ed.*) Usually the ganja is stale by the time the warehouse receives it, as it is sold to them only after a new crop is harvested.

The warehouse is situated in the outskirts of Calcutta, in the industrial area. Government employees there think it is a shame that ganja use is being suppressed while alcohol use is still permitted and is soon to be the only legal drug in the country. They said that alcohol causes much

Govt. of West Bengal



RUSSA GANJA & BHANG GOLA
DEPARTMENT OF EXCISE
CALCUTTA

more disruption of society than cannabis, which has been used by the people of Calcutta for at least 2,000 years.

Unfortunately, the central government is getting into an anti-drug hysteria, and marijuana is being swept up into the campaign. Six-month sentences have been handed out to Westerners in Goa and the western Indian states for stash amounts (10-20 grams). Five years ago an arrest like that would have been unheard of—cannabis was flowing freely then without government interference.

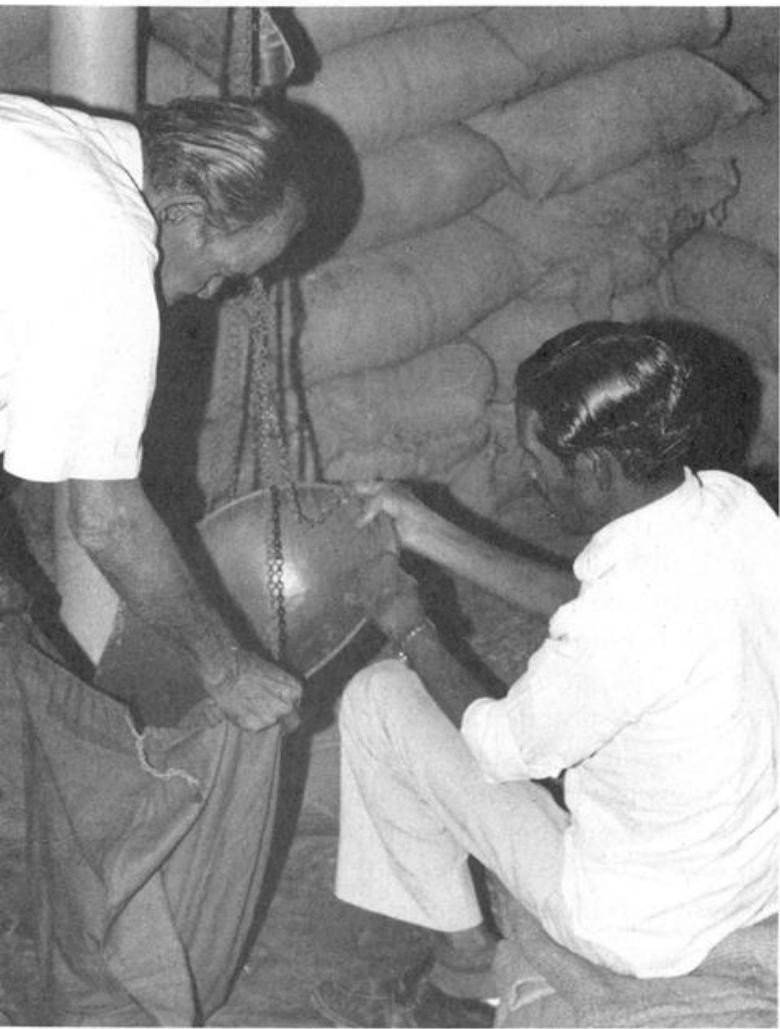
All photographs
© Sam Selgini

Meanwhile, India does have a serious drug problem. I noticed that heroin is easily available in the larger cities for \$5-\$25 a gram. The country remains one of the few in the world where quaaludes are still available over the counter.

The employees told me just how the legal end of the ganja supply system works. The farmer gets paid about 40 rupees a kilo (about 12 rupees to the dollar) for dried, manicured buds. These are sun-dried, heat-cured buds of low quality. (See Photo below) Even if a bud had started out as high-quality *sativa*, it would have lost 50 percent or more of its potency in the curing process. Also, the grass was stale from improper storage conditions as well as age. The grass was purchased from the state of Bihar a year earlier, so it was at least two years old. The warehouse does not purchase new ganja until the old is used up.



The ganja is usually stale and dry by the time it arrives at the warehouse, having been stored badly for over a year.



The ganja is weighed for a shop owner. Shops usually purchase between one and five kilograms at a time.

The warehouse sells the ganja to the stores for 480 rupees a kilo, which includes a 100-rupee transport fee. The government makes a gross profit, less the cost of the goods, of 340 rupees a kilo. The stores sell the ganja for 5-10 grams for 6-7 rupees. There are 120 legal ganja shops in Calcutta and the consumer is allowed to possess up to 50 grams of government-taxed bhang or ganja.

As the quality of the government's ganja has gone down, a black market has emerged from the shadows. There I encountered more poor-quality ganja, slightly more expensive, but a year fresher. The government is definitely losing tax-rupees.

There are still a number of Indian states where it is still legal to possess cannabis products. Let's hope this enlightened attitude towards cannabis distribution doesn't disappear completely.

West Bengal Form No. 480
West Bengal Excise Form No. 70

QUADRUPPLICATE

1551

PASS for the export or transport of Country Spirit, Ganja, Bhang, Charas or
Excise Opium on which duty has been paid, from a Distillery, Warehouse
Treasury, Sub-Treasury or licensed premises and of Rectified Spirit (duty
paid or duty free) Denatured Spirit (pass fee paid or free of pass fee)
from a Distillery or Warehouse (other than a bonded laboratory)

DISTRICT—

030 - State Excise
CHALAN
or State Bank of (I) Br.
Memo. for Payment of Money into the Treasury
By whom brought
By whom paid in
Locality of shop
Address of the payee
On what account paid

MANICK CHAND MONDAL
Manick Chand Mondal
1A Convent Road Calcutta
Ganja and Bhang shop
Collector of Excise, Cal
One (1) Kg. Bhang

AMOUNT

Notes—As per details on back

Credit—
EAM S.P. *Rupes two hundred fifties*
Total Rupees *215.00*

(Total) In words *Rupes two hundred fifties*
Date *8.10.1986*

Received payment
No. *565* Date *8.10.1986*
Inspectorial Office *CHAND MOULDAL*
B.M.T. *6 OCT 1986*
CASH RECEIVED
Total *1 kg. Bhang*

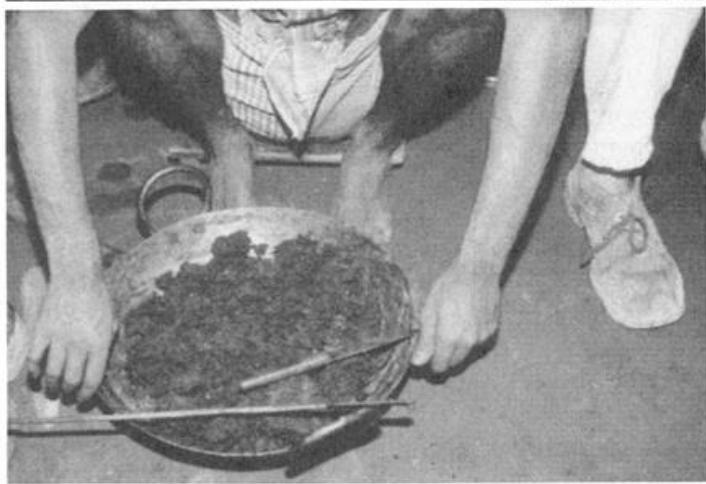
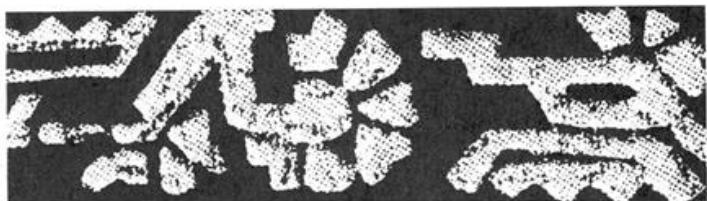
*Bulk litres and strength in case of C. S. Bulk litres strength ans. P. litres in case of
R. S. Bulk litres only in case of D. S.

BHANG BALLS

The warehouse also supplies bhang to the shops. Bhang is made from the leaves and a little of the bud of mature plants. I am not sure what farmers get paid, but the government sells it for 215 rupees a kilo. The bhang in stock came from the state of Punjab. Bhang is retailed by the many bhang shops in the state.

To make bhang, the shop owner started with half a kilo of material. He removed all of the seeds and stems and ground the rest of the material. Then he simmered it for 4-6 hours, until nearly all of the water boiled away. Traditionally, bhang is boiled with milk, but this shop was not a high-class place—this was bhang of the people. Then the grass is rolled into balls the size of meatballs. The balls contain 5-10 grams of weed. The finished bhang ball is placed in a small sieve and *lhassi* (or another milk-containing drink) is poured through the mesh. The ball dissolves into the liquid, which is then inbibed. I would not advise a first-timer to put two balls in one *lhassi*. The bhang is very strong and physical.

In the fall of 1986, neighboring Bangladesh also banned the production and sale of cannabis products. I visited several ganja shops but they had been closed for several months. Apparently, all of the ganja shops there are now closed.



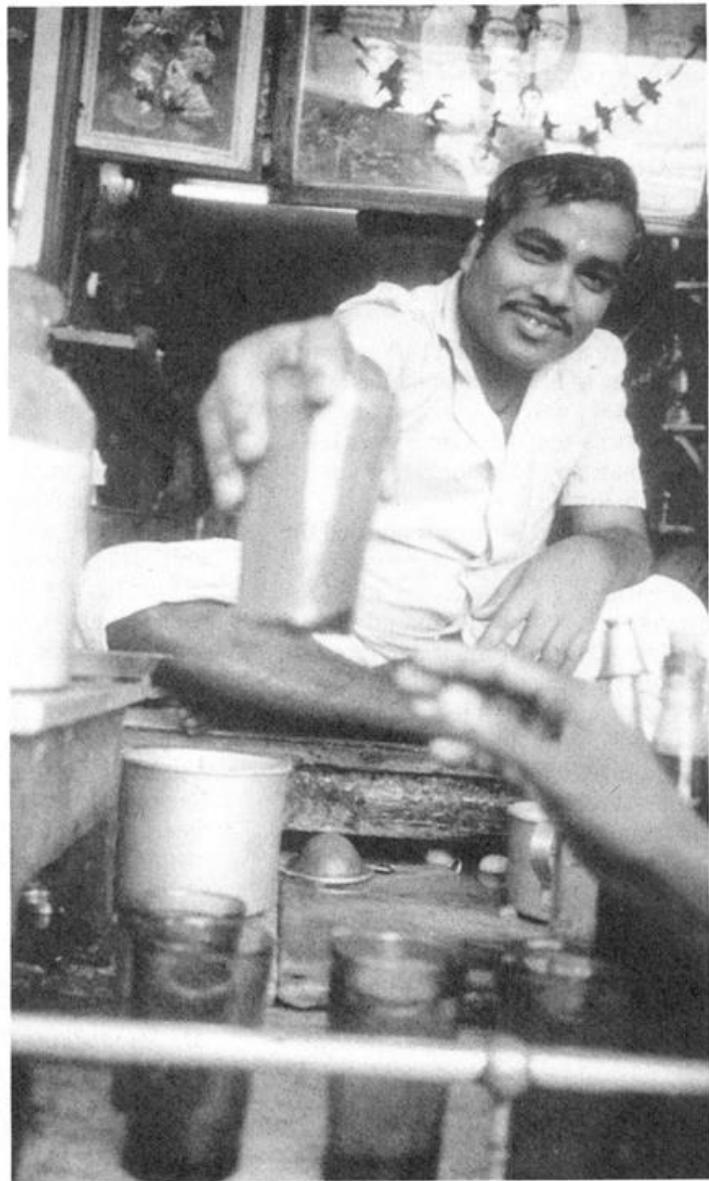
This cooked bhang is ready to be shaped into balls.



The bhang is placed in the sieve. Now the liquid is to be poured through it. It usually takes more than one pouring for the ball to dissolve completely. The lhassi being poured through the sieve.



Bhang shop on a busy street, seen from a distance.



Have a cool, refreshing lhassi on a sultry Calcutta night. Three rupees please. Shiva shanker. Then the owner rings a bell to signify the sale and as a praise to Shiva, the cannabis-smoking god.

ONLY ONE EARTH BUILDING * THE SPACE * BIOSPHERE

TEXT AND PHOTOS BY BRAM

These are the voyages of the Biosphere II, in its four-year mission to seek out new habitats, safe environments, and pollution-free eco-systems—to boldly go where man has been, but is not likely to go again ... unless something is done soon.

Six years ago, I moved to Vermont in the hopes of finding a peaceful, rural existence. I settled into a solar home on 18 acres that stretched over the top of a mountain to a trout stream in the valley below.

But a few years later, I noticed the tops of my birch trees were dying. Since then, I have watched my evergreens brown out and my hardwoods turn stunted and mottled.

Consequently, I don't have to go to Antarctica and see a hole in the ozone, or travel up the Amazon to document the destruction of the rain forest. I'm witnessing the destruction of our environment first hand, from my bedroom window—thanks to acid rain.

Maple syrup hit \$60 a gallon this year, a reflection of the condition of the local trees. Camel's Hump, once a magnificent site, is now a desolate mountain populated only by eerie skeletons of trees. And yet Reagan tells us acid rain doesn't exist.

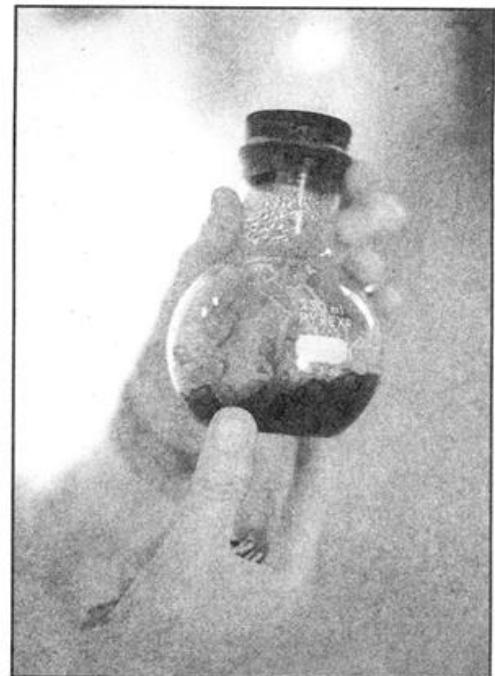
I first heard about the Biosphere II project after picking up a copy of *Popular Science* magazine. The article was technical, not the least bit glamorous, but something about the project intrigued me. As an indoor grower, I've always strived for sterile conditions whenever possible: a closed biosphere seemed like the ideal.

But after thinking it over, a deeper chord sounded, and I realized if our planet is in as much trouble as the experts say, our generation may see the extinction of 10,000 plant species. If only we had another Earth, we might save the one we have. And that's what a biosphere is: another Earth.

But I've got a family to raise on a limited budget, so my thoughts returned to reality and I forgot about the biosphere. I forgot, that is, until I got a call from HIGH TIMES magazine asking if I was interested in traveling to Arizona to inspect the site of Space Biosphere Ventures (SB V). Three weeks later I found myself dressed in my straightest clothes, on a Continental Airlines flight to Tucson, Arizona.

"This is your Captain speaking. Please fasten your gravity shoes as we are approaching the Phoenix Star Garden. Have your docking pass and ID ready. Docking in five minutes. Thank you for flying the United Star Fleet shuttle. We hope you had a pleasant launch..."

My ID! How could I have slept so long? Following the crowd out, I caught a glimpse of some hydroponic gardens through the view port. "This is your ID? Are you Dr. Indoors? Security? Take



This vial contains plants grown from a single cell. When biospheres are placed on other planets, cloning at the cellular level will be critical.

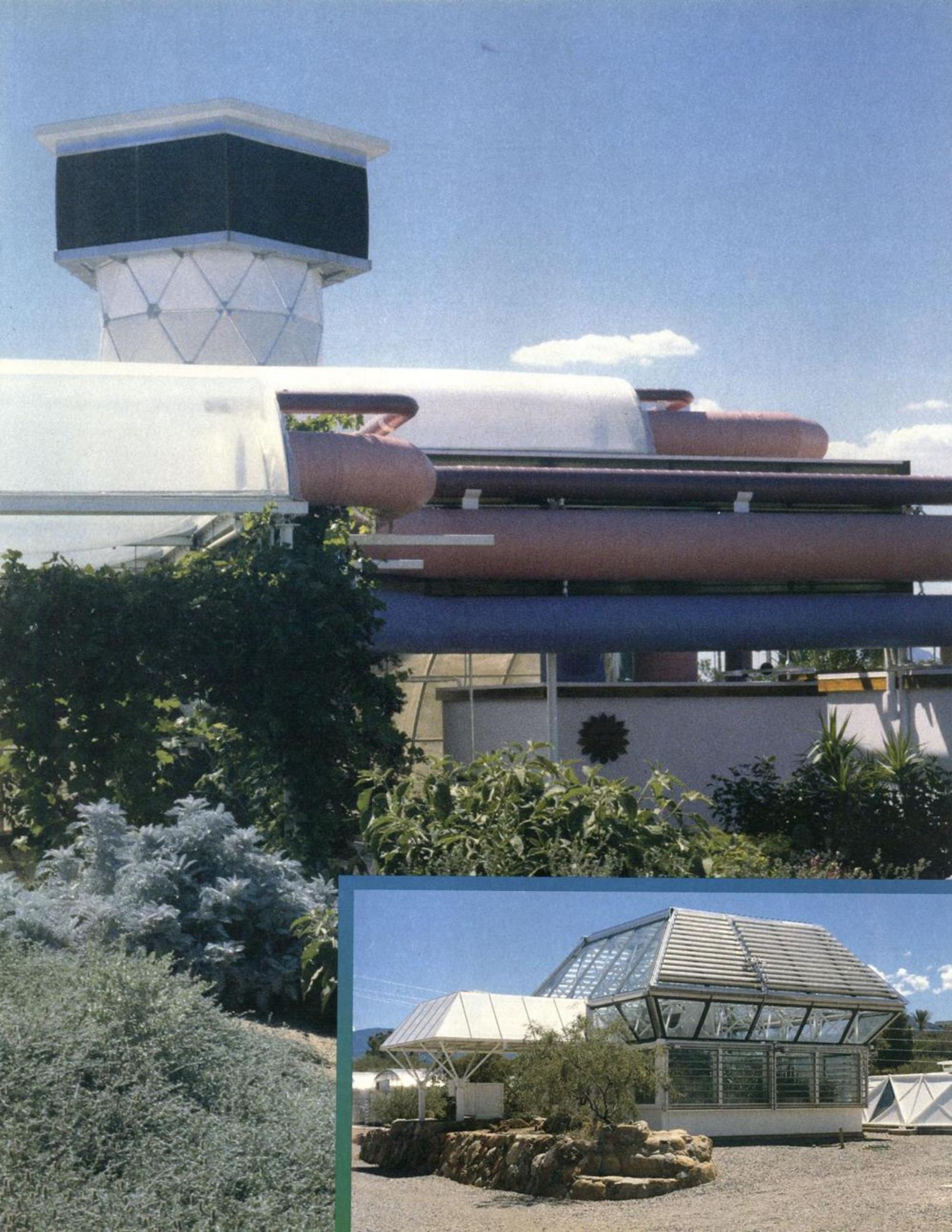
this man back to the shuttle!" A well-armed guard grabbed my shoulder and kept shaking it repeatedly....

"Sir... sir... We've landed... we've arrived in Tucson."

Actually, I had good reasons for the nightmare. For several days it looked like I might not get to see the biosphere. There was some controversy concerning my press credentials: the officials weren't sure they wanted to be connected with the notorious HIGH TIMES magazine. But here I was, simmering in the Martian landscape of the American West in

continued on page 41

*Opposite page:
The solar cooling tower of the Environmental Research Lab (ERL) rises high above the Arizona desert, providing cooled air to the plants inside, most of which are being bred for a biosphere, a closed system that recycles waste product into nutrient solution. A small, working prototype of the biosphere (see inset) is already filled with plants, insects, and bacteria, and completely sealed from the outside world. Hopefully, models like this one will soon be available for private use.*





Although the Oasis Center is not a closed system, it provides a good testing ground. Note the water falling from overhead pipes into the tubes in the center of this photo. After being aerated, the water flows through a patch of water hyacinths (to filter impurities) and then into the fish tanks. Fish water flows under the bridge (right) through a bacteria chamber that converts wastes into nutrients.

Covering 2.25 acres, the biosphere is divided into seven sections and houses five million cubic feet of space under a dome of glass and steel. Solar louvers control light and heat.

Patterned after the rain forests of Amazonia, this biome is being planned by Dr. Ghillean Prance of the New York Botanical Gardens. Air and water are controlled by natural convection. Water vapor collects at the peak of the forest (85 feet high) and then rains on the mountainside below, flowing into a river and waterfall that drops into a tropical savannah. From there the river flows through a freshwater marsh to a saltwater marsh, and then dumps into the ocean biome.

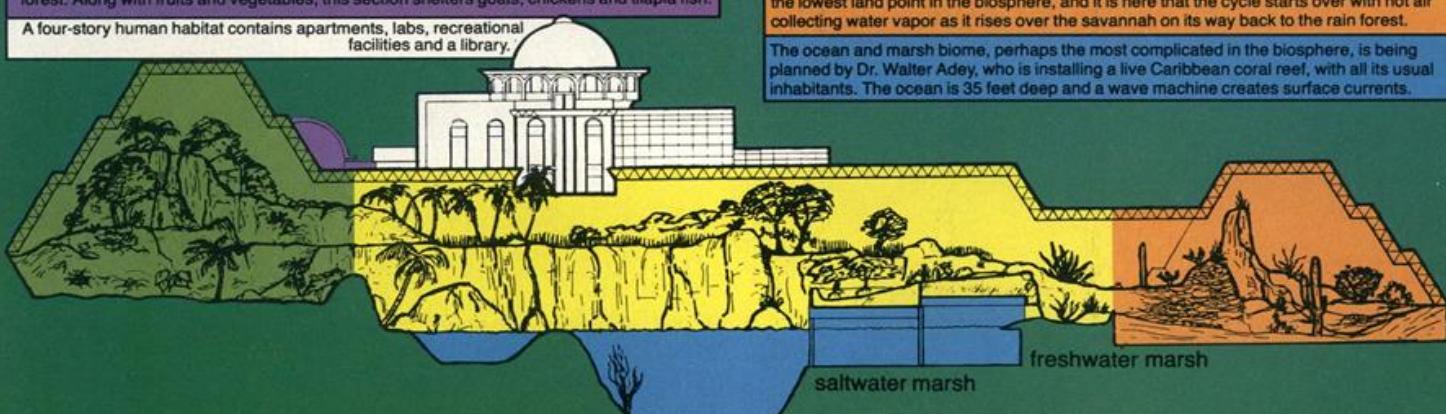
Plants and animals are cultivated in the intensive-agriculture biome located behind the rain forest. Along with fruits and vegetables, this section shelters goats, chickens and tilapia fish.

A four-story human habitat contains apartments, labs, recreational facilities and a library.

The tropical savannah is being designed by Dr. Peter Warshall, who is also selecting the vertebrates that will be allowed to wander freely throughout the wilderness area. This list includes monkeys, frogs, salamanders, snakes, hummingbirds, mazamas (small deer), squirrels and bats. As in real life, the animals and birds play an important role in the pollination of plants.

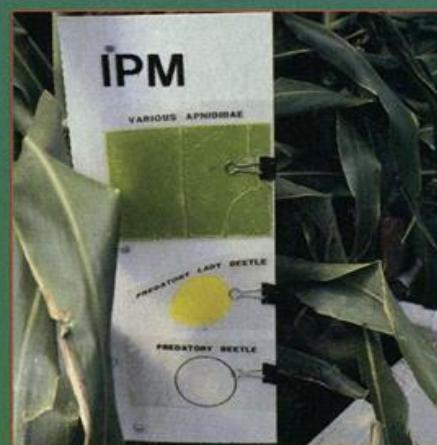
The desert biome is being assembled by Tony Burgess. Due to the close proximity of water, Burgess has selected Baja California's Vizcaino Desert as his model. The desert contains the lowest land point in the biosphere, and it is here that the cycle starts over with hot air collecting water vapor as it rises over the savannah on its way back to the rain forest.

The ocean and marsh biome, perhaps the most complicated in the biosphere, is being planned by Dr. Walter Adey, who is installing a live Caribbean coral reef, with all its usual inhabitants. The ocean is 35 feet deep and a wave machine creates surface currents.





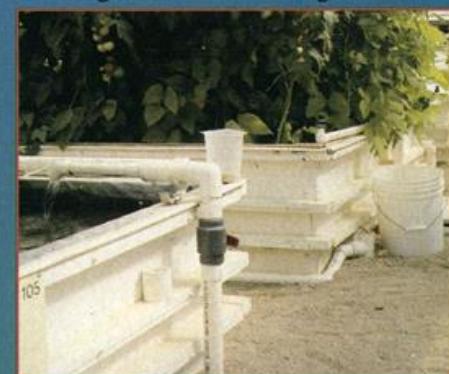
The Oasis Center is kept cool by misters that spray the air with drops of water, thus lowering the temperature by several degrees.



Aphids eat the plants, lady bugs eat the aphids, and predator beetles eat the lady bugs. (ERL is experimenting with a European beetle whose identity remains a closely guarded secret.)



A mini-greenhouse run by ERL.



*Fish wastes are put through drums innoculated with *Nitrosomonas* and *Nitrobacter* bacteria, which convert ammonia wastes into nitrates and nitrites that can be easily used by the plants. The water is used to feed hydroponic eggplants, tomatoes, cucumbers, watercress, rice, citrus fruits, bananas and other edible plants.*



The tilapia fish can grow from finger size to two-pound filet in eight months. They continue to breed even when packed into tanks like sardines in a can.

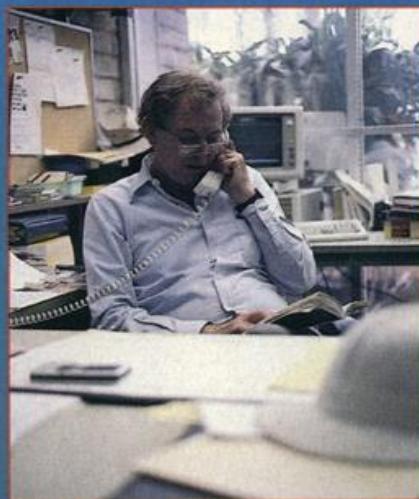


Although ERL's hydroponic system is not on par with some advanced American growers, their plants are robust, healthy and delicious.

* meet the * BIOSPHERIANS



Kathleen Dyrh, director of information and graphics.



Carl Hodges, director of ERL.



Margret Augustine, director of Space Biosphere Ventures, and co-designer of Biosphere II.



Carol Clement, horticulturist and developer of the Oasis Center.



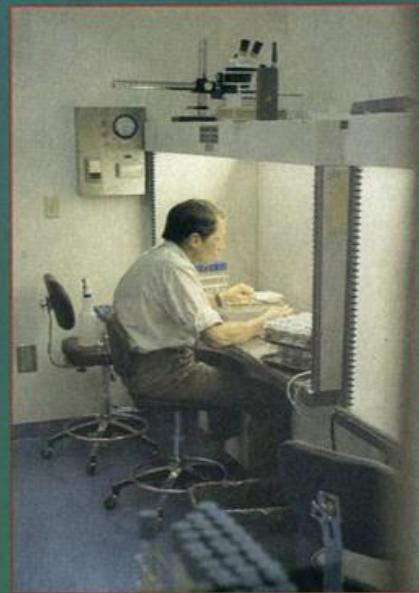
Peter Warshall and Kathy Dyrh checking composted soil.



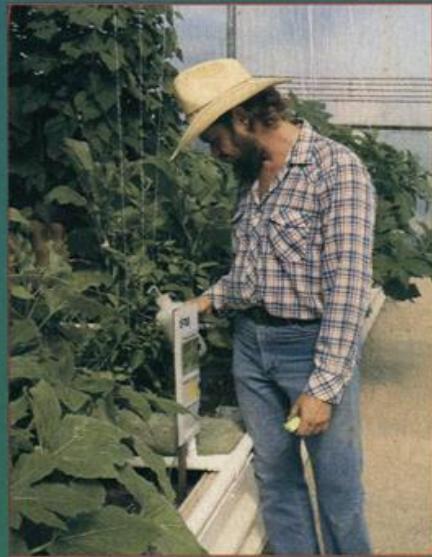
Norberto Alvarez, head of cybernetics and computers.



Dawn McCaffery, horticulturist at ERL.



Stephen Storm, head of tissue culturing.



Dave Housholder of ERL.



Having developed very early in our evolutionary scale, the tilapia is a hearty creature capable of living in brackish, low-oxygenated water. The original tilapia has been bred in the Middle East for over 2,500 years. The small tanks in front contain fingerlings—small tilapia fish. Within eight months the fingerlings have grown to filet size and are kept in the tanks in back. Note the chopping board at the rear. A restaurant in Tucson serves the leftover fish as Cajun Tilapia.

continued from page 36

August—temperature 100 degrees. No wonder they're building the biosphere here. Eventually, the project is supposed to move to Mars, and that's exactly what southern Arizona looks like . . . if you forget about the scrub plants on the desert floor.

First, I had to see Carl Hodges at Environmental Research Labs (ERL). Hodges has been sort of an idol of mine ever since he designed Walt Disney World's EPCOT CENTER Land Pavilion in Orlando, Florida, a 6.5 acre exhibition where visitors travel along a canal and view a variety of global conditions—recreated indoors. The exhibit also features state-of-the-art hydroponics. Hodges and ERL have been pioneers in the field for many years.

I found him sitting in the middle of a tropical rainforest adjacent to the Tucson airport. Well, not exactly. He was in an office inside the rainforest. To reach him, I had to pass through a dual airlock door into a room filled with tropical plants—bananas on the left, palm trees on the right. I waded through several inches of water. The air was thick with moisture.

Hodges looked surprisingly normal, dressed in casual slacks, shirt collar open. He seemed calm and very friendly.

"Have you seen the grounds yet?" he asked with a proud smile.

"I went for a walk and checked out your patio—I guess it's called the Oasis Center, but that's all I've seen so far."

Without much prompting, Hodges

launched into a description of his latest project, a much larger version of the Oasis Center that he plans to build in downtown Phoenix, a project that has the blessing of Marlon Brando. "Marlon and I are old friends," he explained, as he showed me a photo of the two of them at a press conference.

Later on we discussed ERL's involvement in Biosphere II. Hodges doesn't run the project, but he's certainly its creative soul. Not only is ERL responsible for the solar and agricultural applications of SBV, they have already begun breeding the plants and fish that will be locked inside when the biosphere is sealed for two years in 1989.

Caryl Clements, a horticulturist, arrived to take me on a more elaborate tour of the facilities. We passed by some picnic coolers filled with dead fish. To my surprise, her explanation was: "Malfunction." (I like it when people make no excuses for mistakes. No pretense of perfection.)

The air purifier was also a surprise: a tank of dirt. "Microbes in the dirt clean the air," Caryl explained. "If you're locked in a closed environment, you'd better be able to clean your air."

"Can you smoke in the biosphere?" I wondered.

"No," was the emphatic reply.

We walked on, through rows of tomatoes, cucumbers, eggplants, zucchini. I visited a greenhouse growing saltwater plants. (With 20,000 miles of desert sea coast along our borders, these plants might prove

useful.) I saw solar cooling towers and interactive gardens that used water in mist form to air condition greenhouses. After six hours of inspecting the technology, I was ready to visit the biosphere.

"By the way, how do I get to Biosphere II?" I asked. Hodges drew me a map.

Early next morning, I drove north through Oracle, Arizona, and turned right on to a dirt road that weaved past a dusty mining operation. Before I knew it, I had arrived in the middle of nowhere. Nothing was in sight. Had I made a wrong turn? Then I saw the sign:

**PRIVATE PROPERTY
Entrance by Appointment Only**

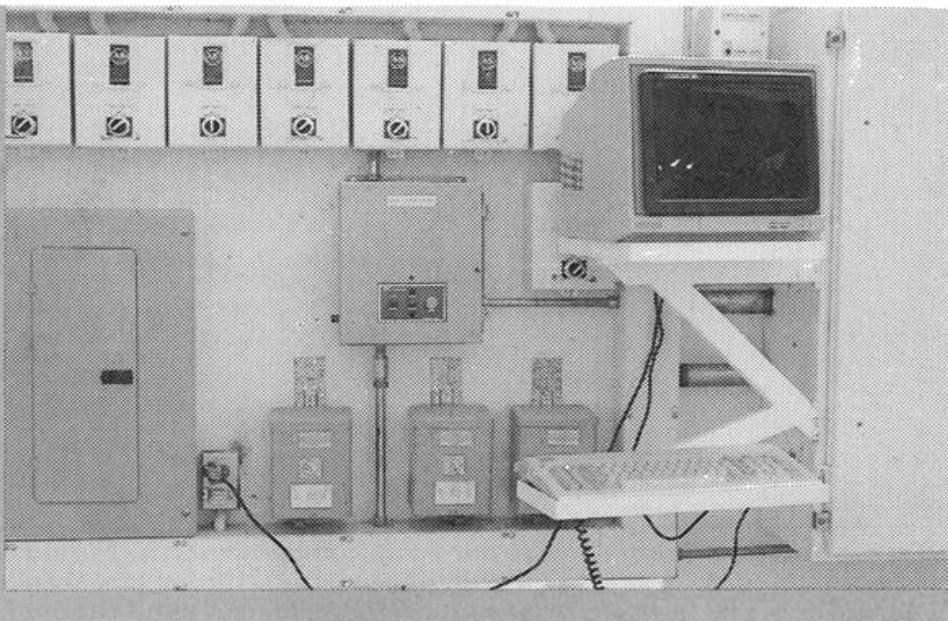
After another half mile, I encountered another sign:

**All Visitors Check in at Main Office
Warning: do not back up.**

I looked at the pavement and saw the reason for the warnings: sharp-toothed tire slashers prevented cars from moving in the wrong direction. I was headed for the main office whether I liked it or not. After all this hoopla, I expected to walk into the set from *Man From U.N.C.L.E.*, but the inside looked more like the reception area of a doctor's office.



There's nothing particularly glamorous about this computer station—it looks like something you might find in a Dr. Indoors greenhouse. However, in 1989, this terminal will be plugged into over 5,000 sensors that will monitor all environmental changes in Biosphere II.



"Can I help you?" asked an attractive, dark-haired woman dressed in silk blouse, gaucho pants and boots.

Her name was Kathy. She was director of information and graphics, and my personal guide. We went to her office. Kathy's bookshelf was filled with art and poetry books; on her walls were Gary Larson cartoons. "I'll take you to see Margret, director of Space Biospheres Ventures," she said.

Margret was wearing a red blouse, cowboy hat and jeans. As designer of Biosphere II, there was no doubt she was in charge of the operation. I'd arrived expecting lab coats and nerdy technicians. What I found was a lot of hip people who were obviously having fun with their jobs.

First we went to visit the site of Biosphere II in its early stages of construction. We parked next to the hole where a 35-foot-deep ocean will soon be located, and climbed out of the car.

Kathy began a running monologue describing the various parts of the biosphere. It was a long walk, since the site covers 2.5 acres, and will eventually enclose a rain forest, mountaintop, waterfall, marshland, savannahs and desert—as well as an ocean, complete with a live coral reef transplanted from the Caribbean. (Ocean waves will be provided by a wave machine.)

The monologue went on for some time as we walked from one end of the biosphere to the other. The foundations were being dug and parts of the roof were already being installed. Then we went to the tissue culture lab, where I visited Stephen Storm, who

grows plants from single cells. I ran into my first man in a lab coat: Norberto Alvarez, head of cybernetics.

The highlight of the tour came next, as we visited a functioning model of the biosphere, a model about the size I'd like to build in my own backyard.

It was a self-contained, triangulated dome structure of glass and steel (see inset, page 37) designed by Philip Hawes, a one-time student of Frank Lloyd Wright and Margret Augustine. It was built to test solar glazing techniques and heat-cooling systems. The dome itself contains 18,000 cubic feet, but it is connected to a smaller "lung," which allows it to breath during temperature and atmospheric changes. Without the lung, the biosphere would blow up.

Visible inside the sealed mini-biosphere were a wide variety of plants and insects breeding happily. "We open it up every three months and start over with a new series of experiments," explained Kathy. "That way we know which plants interact best."

I knew some volunteers were supposed to be locked inside Biosphere II, but I didn't know how many or for how long.

"There'll be eight of us," said Kathy, "along with 200 species of plants, 150 species of fish, several species of birds, reptiles, insects—and even monkeys will be in for two years. Yes," she added, "I'm one of the volunteers."

On the flight back I reflected on some of the things Kathy had told me. The biosphere is not an American invention. In 1926, a Russian named

Vladimir Vernadsky developed a new field of science he called biogeochemistry. From this Vernadsky developed the theory of the biosphere. Although the Russians have done some biosphere research in Siberia, it has taken good old American capitalism to push his theories to reality.

Ed Bass, an environmentally concerned Texas oilman, put up \$33 million to finance Biosphere II: Americans using Russian concepts.

Unfortunately, the National Aeronautics and Space Administration (NASA) eyes the project with scepticism to say the least. James Bredt, chief of NASA's biological systems research, doubts biospheres will ever exist on other planets. Bredt also doubts biospheres can be self-supporting on Earth. Consequently, NASA is putting no funds into the project.

Despite being overwhelmed by another instance of my government's lack of imagination, I felt inspired after my visit to Biosphere II. So much for the close-minded. The imagination of the nation has been opened. Hope is back. We now have a means for preserving Earth, as well as spreading man to the stars.

Carl Hodges' words came back to me: "When we got to space and saw the globe, we realized Earth is a single eco-system." ERL and SBV have given us a chance maybe to heal my birches and maples.

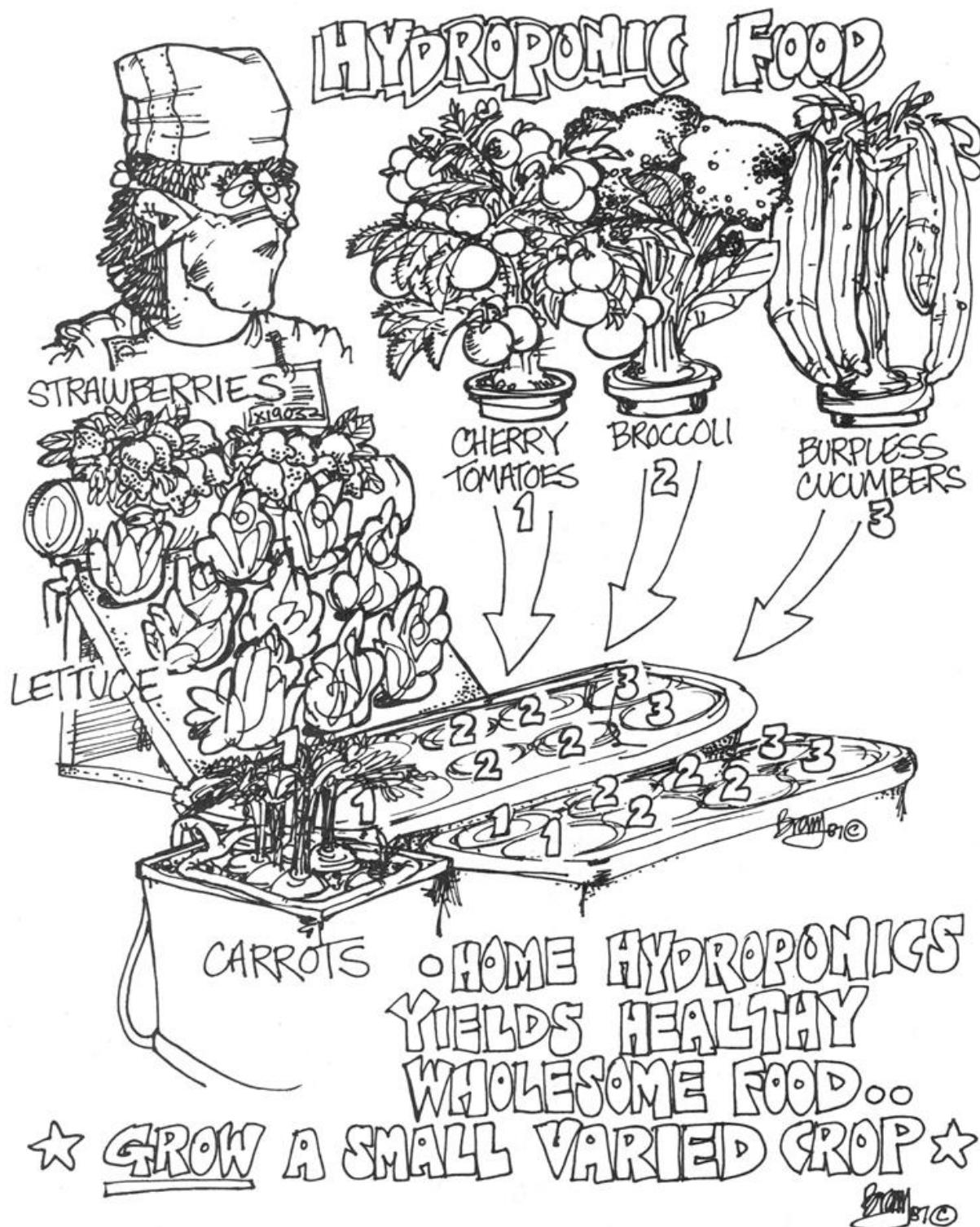
"The adventure continues...."



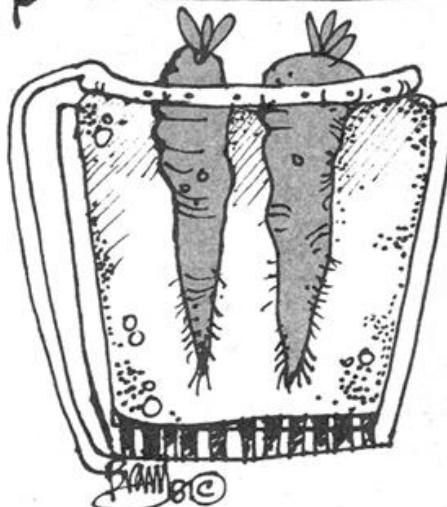
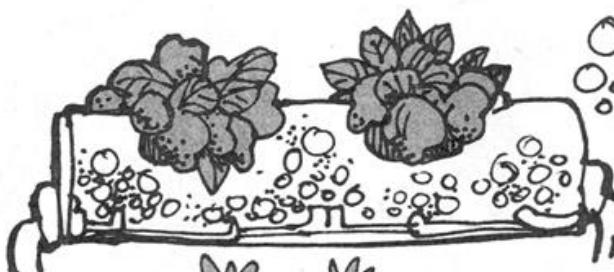
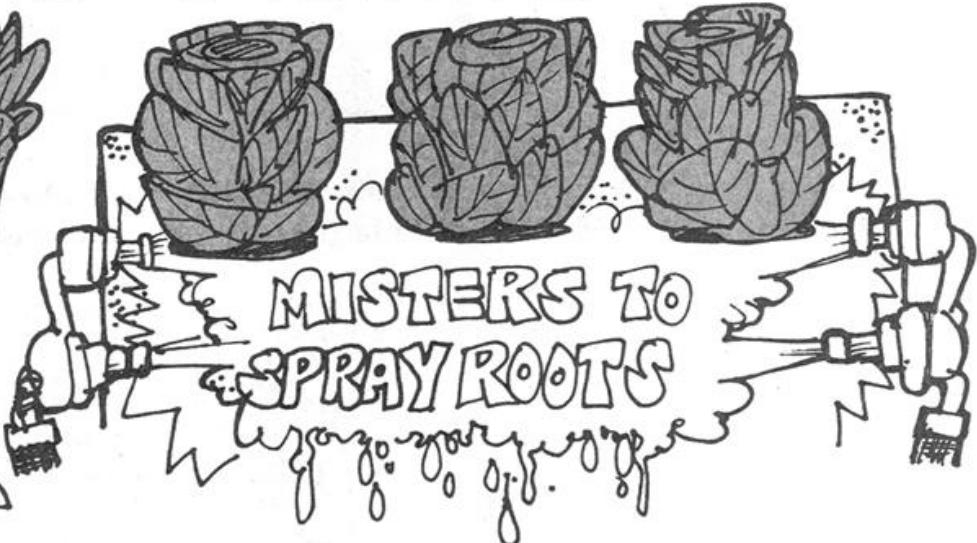
Bram plans to visit Biosphere II again soon. Look for stories on biogeochemistry in future issues of HIGH TIMES.

HOW TO FUTURIZE YOUR GROW ROOM

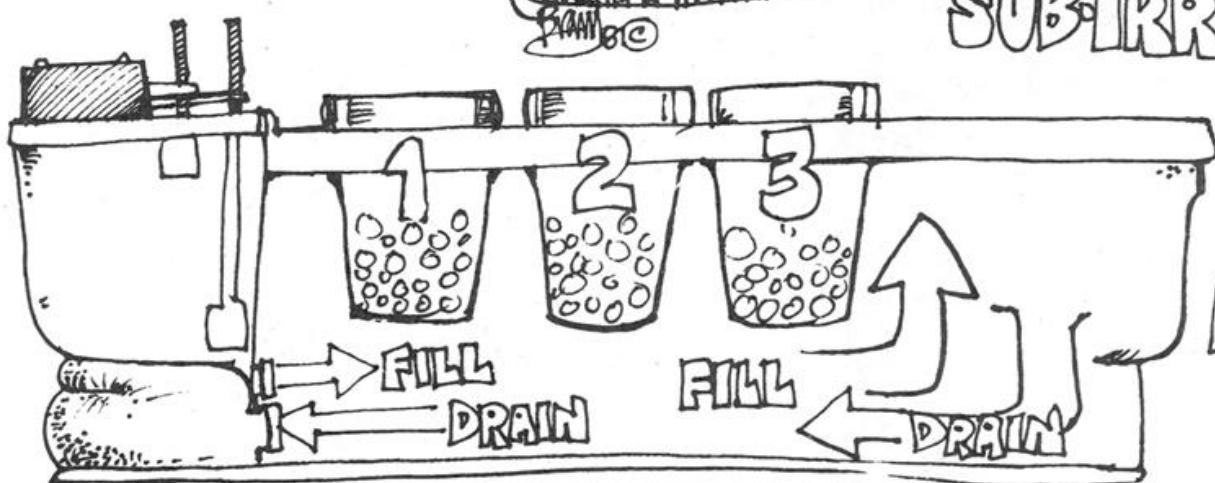
If you want to get started on your biosphere right away, the first step is to turn your indoor garden into a vegetable farm. Here are **Dr. Indoors**' tips on how to begin.



DIFFERENT FOODS USE DIFFERENT
TYPES OF HYDROPONICS



DRIP LINE
FEEDS ROOTS
CARROTS ARE FILLED
WITH SAND/PERELITE



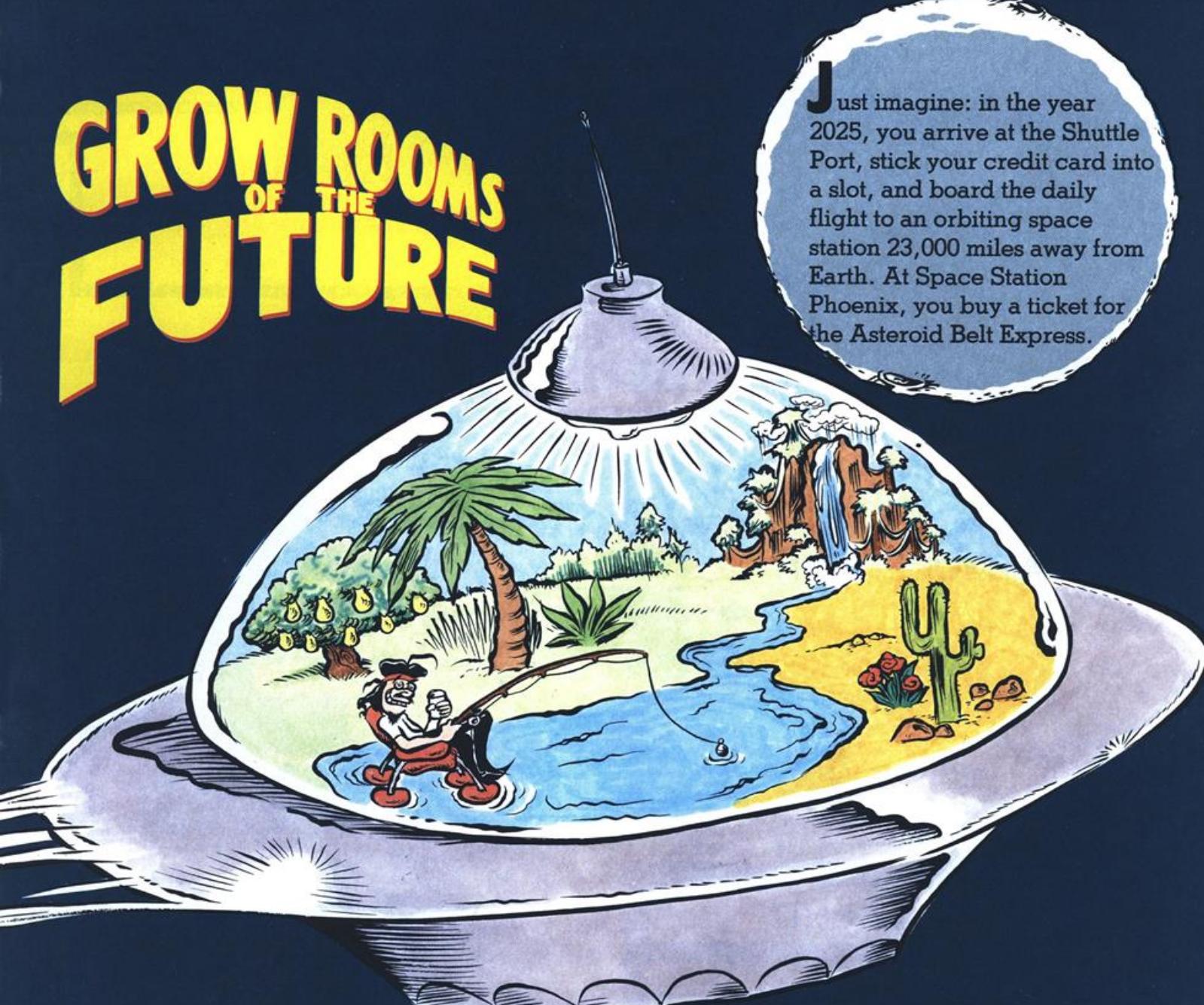
SUB-IRRIGATION

FLOODS
THE
ROOTS

USE YOUR HYDROPONICS FOR FOOD

GROW ROOMS OF THE FUTURE

Just imagine: in the year 2025, you arrive at the Shuttle Port, stick your credit card into a slot, and board the daily flight to an orbiting space station 23,000 miles away from Earth. At Space Station Phoenix, you buy a ticket for the Asteroid Belt Express.



Five years later, you hop off (only a few months older thanks to modern chemical technology), unpack your mini-biosphere, and set up shack on your own asteroid, where you can nurture the plants of your desire free from the petty shackles of cretinous government officials.

Unfortunately, many of us won't live to see it. But that doesn't mean one can't dream about life without stupid laws, toxic pollution or nuclear missiles. The following pages contain the blueprint for the intensive agriculture biome of Biosphere II. It contains much of the info one needs to know to construct a biosphere.

The good news is there are safe places to set it up closer than the asteroid belt...

ATMOSPHERE

MECHANICAL CONDENSATION

WATER

PROCESSING
CHEMICAL ADJ.
pH ADJ.
AERATION
ABSORPTION
OZONATION

GASSES

UTILITY WATER
STORAGE

EVAPORATION
TRANSPIRATION

ATMOSPHERE

MECHANICAL CONDENSATION

GASSES
EVAPORATION
TRANSPIRATION

PLANTS

BIOMES

L.P.M.
TROPICAL
SAVANNAH
DESERT

ANIMALS
BIOME
WATER

LEGEND

LIQUIDS

POTABLE WATER
UTILITY WATER
AGRI-WATER
GRAY WATER
BLACK WATER

SOLIDS

FOOD
ANIMAL FEED
EDIBLE WASTE
INEDIBLE WASTE
DIGESTED WASTE

GASSES

ATMOSPHERE
WATER VAPOR
MISC. GASSES

MEDIA
FILTER
GRAVITY
SEDIMENTATION

ACTIVATED
SLUDGE
TREATMENT

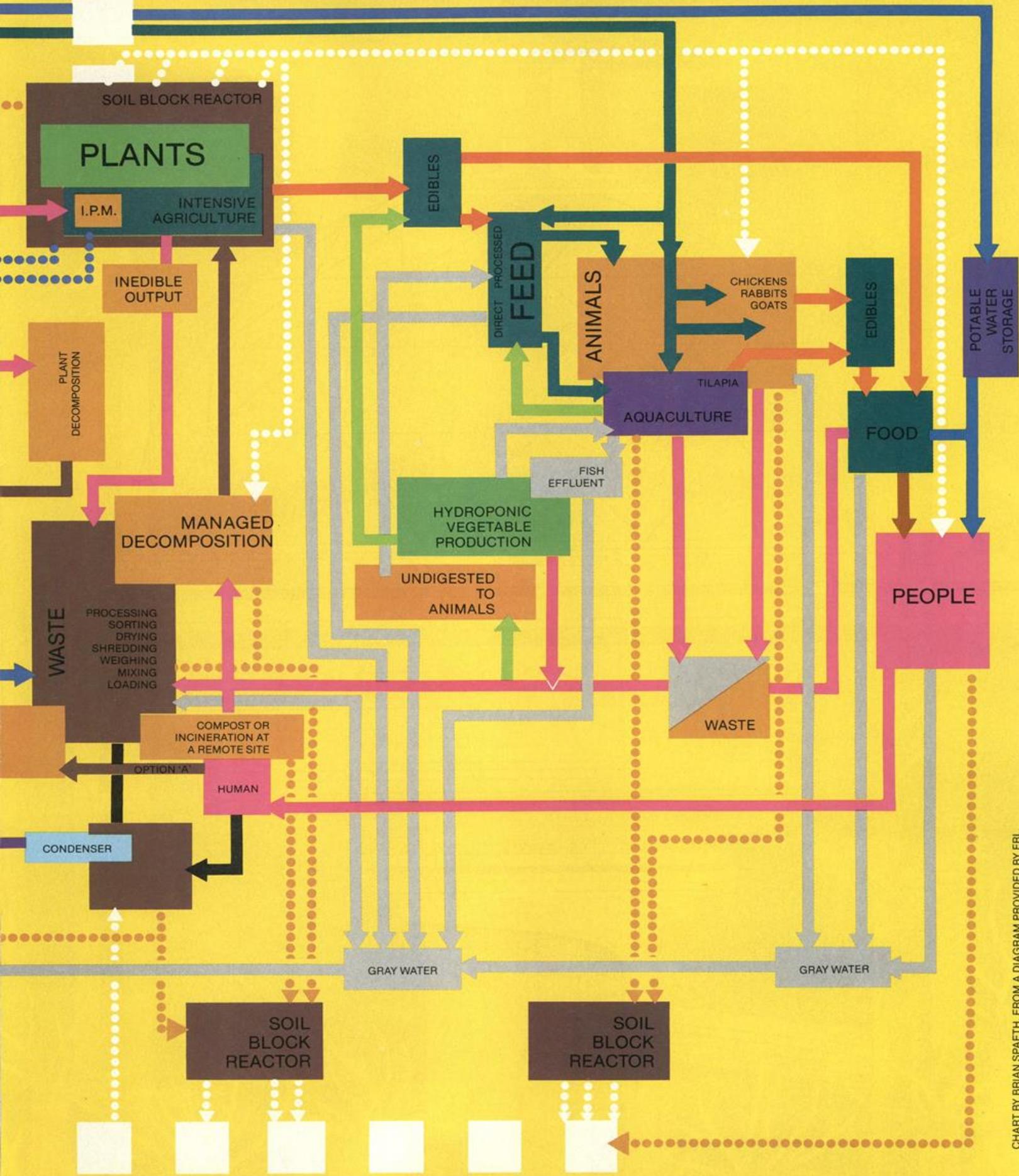
ROTORING
BIOLOGICAL
FILTER

GRAY WATER

DE-WATERING

BLUEPRINT FOR A BIOSPHERE

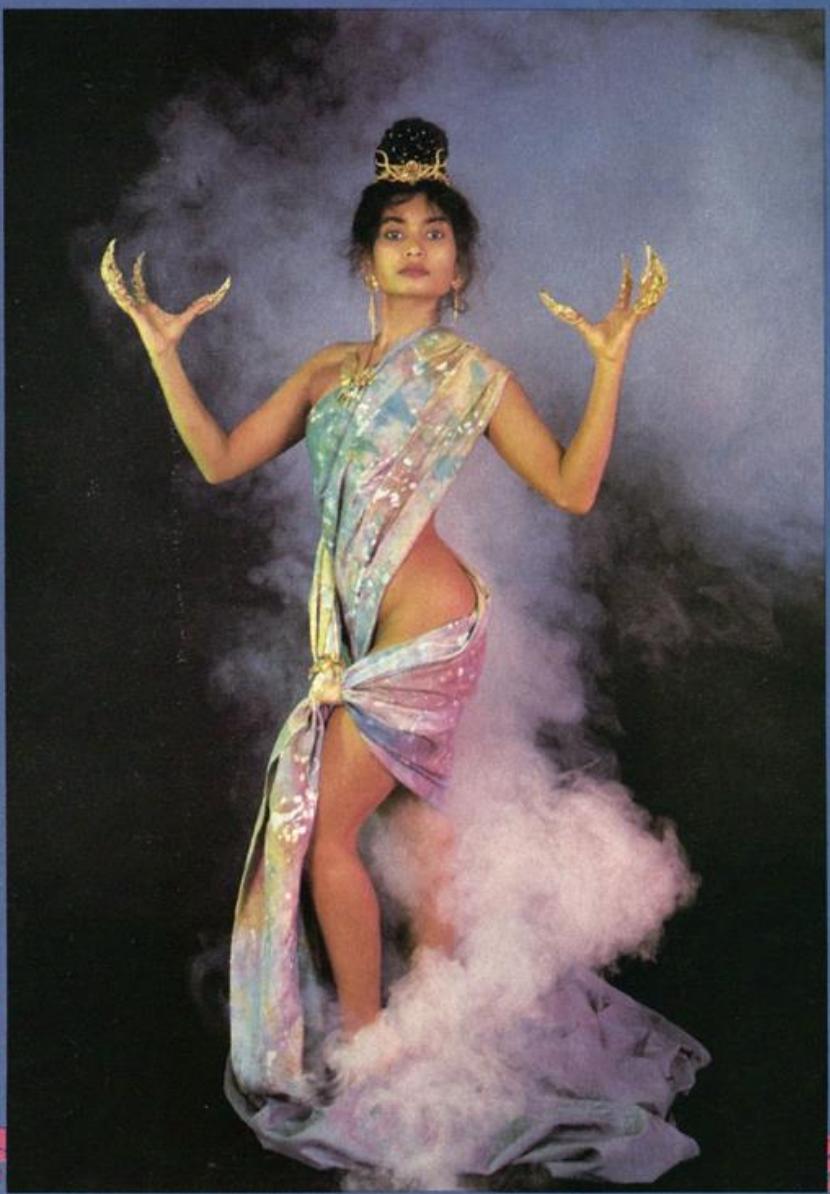
NOTE: THIS DIAGRAM HIGHLIGHTS THE BASIC MATERIAL CYCLES AND PROCESSES (BIOLOGICAL, MECHANICAL, PHYSICAL) BEING STUDIED FOR THE INTENSIVE AGRICULTURE BIOME.



...outside the three-mile limit in the middle of the Caribbean Sea, for example.



Good Golly, Miss Kali,



You sure know how to ball

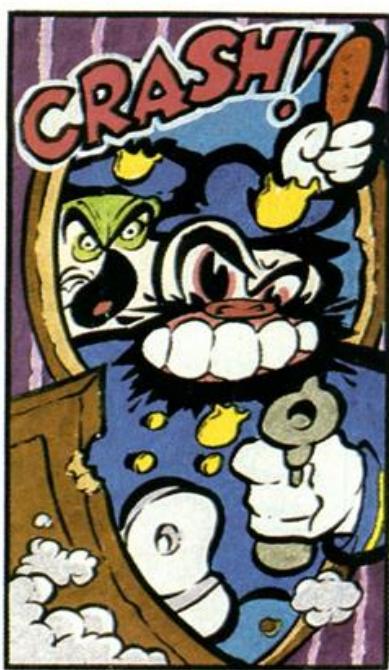
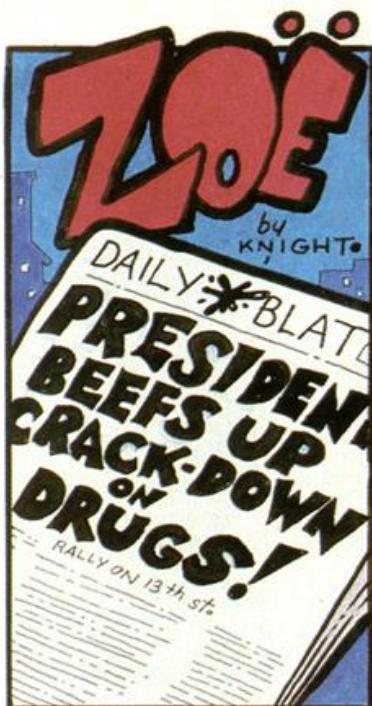
PHOTOGRAPHY BY ANDRE GROSSMANN

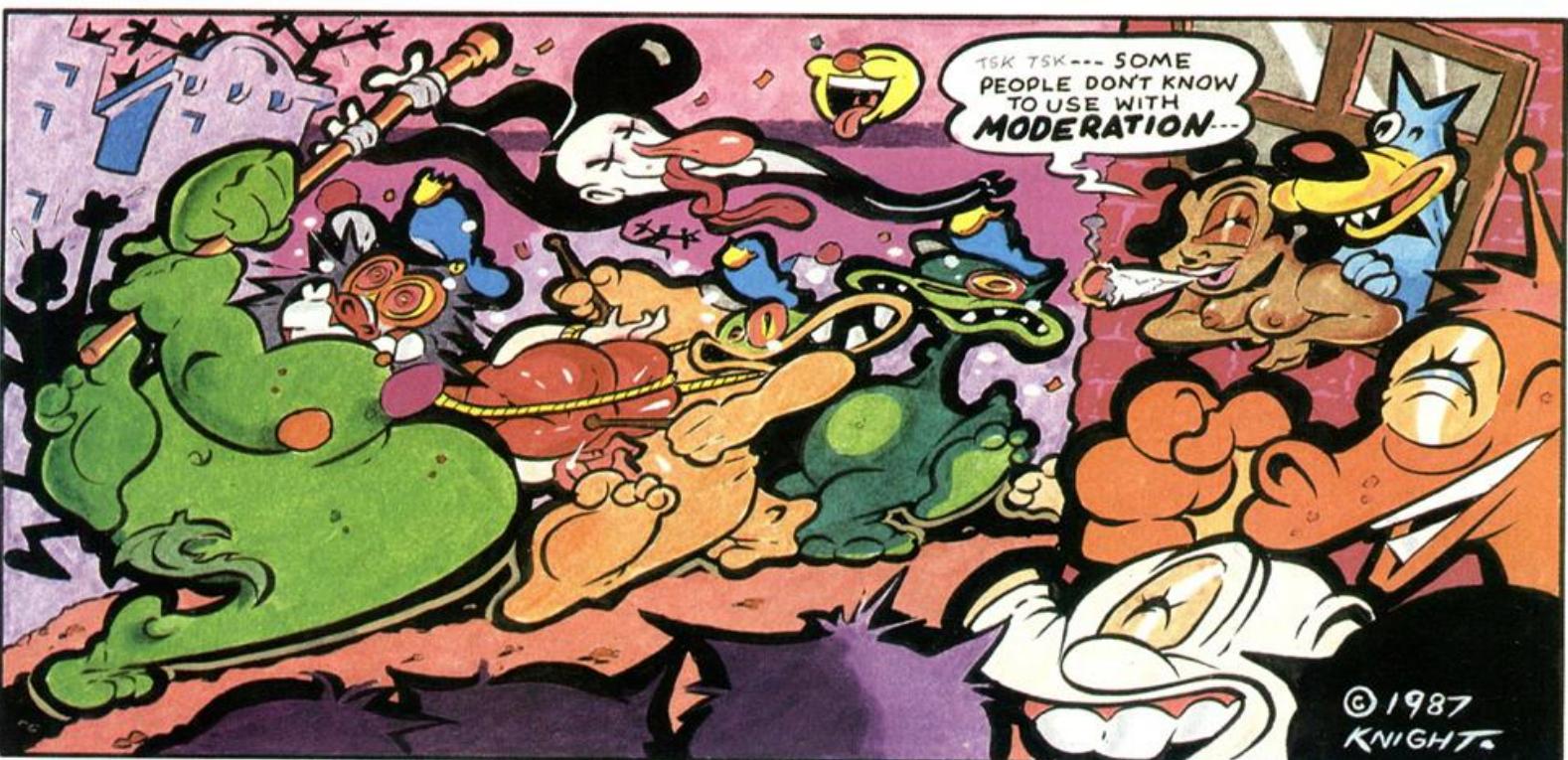
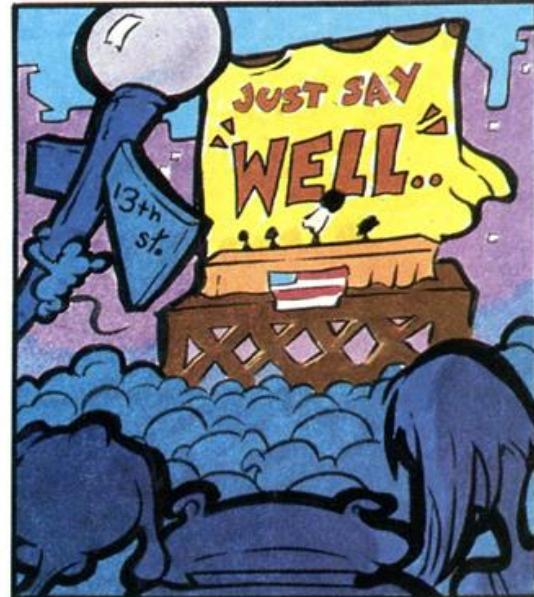
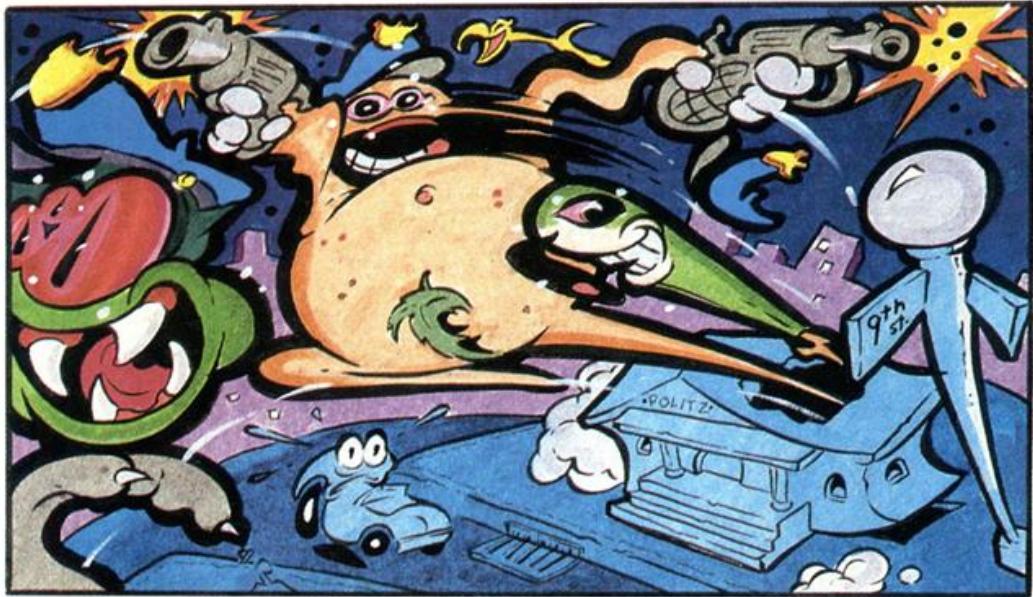
MODEL: JUMNAH

JEWELRY: AXEL







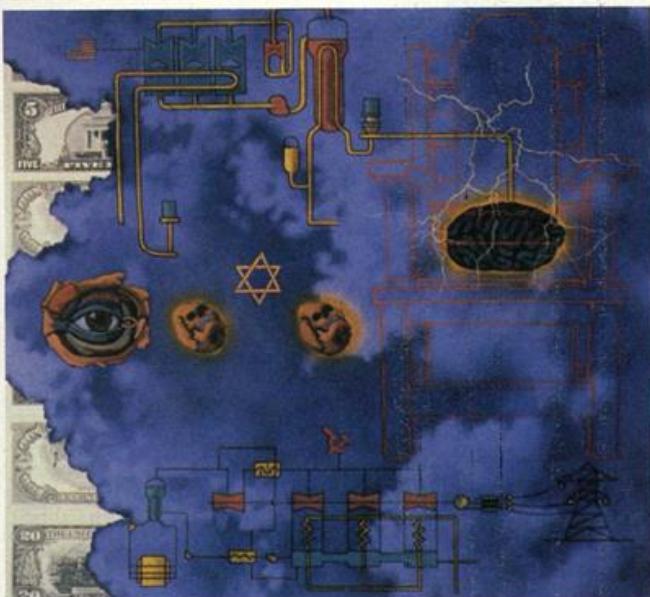




David Wojnarowicz's The Death of American Spirituality (1987).
Done in mixed media on plywood, the painting is actually two panels, 80" x 44".
(Courtesy Gracie Mansion Gallery)

David Wojnarowicz

If you could take the world and peel it like an orange — just rip its skin of superficial coexistence right off — you might just see that hellish underbelly that David Wojnarowicz paints. Wojnarowicz digs up horrors most people are too numb or dumb to consider even in their worst nightmares. These images, taken from his most recent show at Gracie Mansion Gallery in New York, are the latest ooze off the top of his ever-stewing kettle of toxic violence. Happy New Year. ■



Wojnarowicz's smallest piece has the largest title. The Anatomy and Architecture of June 19, 1953 is 36" x 36", and was done in acrylic and collage on wood.
(Courtesy Gracie Mansion Gallery)



Fire is as large as it is bold. This six foot by eight foot painting was done in acrylic and mixed media on wood.
(Courtesy Gracie Mansion Gallery)

by Carlo McCormick



Door to Perception

*Aldous Huxley's
Mescaline
Adventures
by Jay Stevens*

He was supposed to have read, while still in short pants, the entire *Encyclopedia Britannica*, which was certainly conceivable from the volumes of essays that flowed from his pen, and paid his rent for most of his life. He seemed to know something about everything, which might lead one to think he was either a bore or a dilettante, but he was neither.



e was born Aldous Leonard Huxley on July 26, 1894, in the county of Surrey, England, the third son of Dr. Leonard Huxley, educator, editor and minor literary figure, and the grandson of T.H. Huxley, eminent biologist and one of the most famous men in Victorian England. Known as "Darwin's Bulldog," T.H. was the man who had demolished Bishop Wilberforce in the famous Oxford debates over Darwin's theory of evolution. He personified the scientific rationalist, and he eloquently argued its case in newspapers and magazines, and from lecterns throughout the English-speaking world. His collected essays, filling nine volumes, began appearing in the year of his third grandson's birth, and just a few months before his own death at age seventy.

"Clear, cold logic engines," were what T.H. demanded from his son and grandsons. As Aldous's older brother, Julian, once defined it, the Huxley tradition was one of "hard but high thinking, plain but fiery living, wide intellectual interest and constant intellectual achievement."

Huxley's mother, Julia, came from equally impressive stock. She was the niece of poet Matthew Arnold and granddaughter of the moralist and educator Dr. Thomas Arnold, one of the eminent Victorians later eviscerated by Lytton Strachey in the book of that name. Julia Huxley was an educator who founded Prior's Field, a girls' school just a few meadows away from Hillside School, where young Aldous received his first education.

He was, by all accounts, a brilliant, unathletic, aloof student, whose capacity for detachment unnerved his peers. "Aldous possessed the key to an inviolable inner fortress," said his cousin Gervas, who also attended Hillside. "Never can I remember his losing his control or giving way to violent emotion as most of us did." He "possessed some innate superiority and moved on a different level from us other children," according to his older brother, Julian. He was always thinking, measuring, comparing, assessing. Once his godmother, after observing him staring fixedly out a window, asked what on earth he was thinking about and received the single word *skin* in reply.

So he was an odd child, even a little scary. Some years later the English science fiction writer Olaf Stapledon published a book called *Odd John*, which was an attempt to imagine what an intellectual superman, a true *Übermensch* to use Nietzsche's much debated term, would really be like. The resulting portrait bears a striking resemblance to the adolescent Aldous Huxley, with the profound qualification that Odd John was never tested by personal tragedy the way Huxley was. Beginning with his entrance to Eton, Huxley's detachment was shattered by three

tragedies. When he was fourteen his mother died. When he was sixteen he contracted a streptococcus infection that destroyed the cornea in his right eye and left the other clouded to the point of blindness. The condition was so serious that Huxley was forced to learn Braille, which he shrugged off with the wry joke that now he could read with impunity after lights out. He was also forced to give up his dream of studying biology, in preparation for a medical career. Adapting a typewriter with Braille keys, he began tapping out poems and stories.

Finally, two years after his blindness lifted and a year after matriculating at Balliol College, Oxford, in the same August that saw the beginning of World War One, Huxley's middle brother, Trev, committed suicide.

"There is, apart from the sheer grief of the loss, an added pain in the cynicism of the situation," Aldous wrote to cousin Gervas. "It is just the highest and best in Trev, his ideals, which have driven him to his death, while there are thousands who shelter their weakness from the same fate by a cynical, unidealistic outlook on life. Trev was not strong, but he had the courage to face life with ideals—and his ideals were too much for him."

This was not a mistake Aldous intended to make. At Oxford he buried his idealism under a cloak of aesthetic dandyism, affecting yellow ties and white socks, and instead of the usual classical reproduction above the fireplace, installing a poster of bare-breasted bathing beauties—French of course. He moved a piano into his room and began banging out American jazz. And he started spending weekends at Garsington, a manor house some six miles from Oxford that Phillip and Ottoline Morrell maintained as a country retreat for the Bloomsbury crowd. A typical Garsington houseparty mingled the likes of Maynard Keynes, Lytton Strachey, Bertrand Russell, the Woolfs—Leonard and Virginia—with assorted other aristocrats of the artistic and intellectual beau monde. Young Huxley held his own amid this galaxy of wits, and was considered by them an intellectual comer and promising poet. When he published a chapbook of poems entitled *The Defeat of Youth* in 1918, *tout* Garsington joined in his praise.

Garsington was also where Huxley met his future wife, Maria Nys, a waifish Belgian war refugee who was one of Lady Ottoline's charges. Besides being more than a foot shorter than her future husband, Maria's temperament—intuitive, magical, sensuous—was the exact opposite of Aldous's clear cold logic engine. Igor Stravinsky once said of Maria: "knowing nothing, she understands everything." And one of things she understood was people. Maria had great psychological acuity, something her husband was almost totally without. Aldous called her his "personal relationship interpreter," and he used to quiz her thoroughly about the people they met at Garsington.

Aldous Huxley: the "clear, cold logic engine" at thirty-four.

His opinions, whether the subject was molecular biology or the Renaissance painter Piero della Francesca, were so precociously sharp that art critic Kenneth Clark once groused that after a lifetime studying Piero, in the end he seemed to know "far less than Aldous had learnt in a few weeks, by some miraculous combination of intellect and intuition."





Huxley's first wife, Maria Nys: "intuitive, magical, sensuous."

Their partnership—they began living together in 1919 and were married a few months later—produced one child, a boy, Matthew, and at least eight novels. The first of these, *Chrome Yellow*, was published in 1921, and was followed at two-year intervals by *Antic Hay*, *Those Barren Leaves*, and *Point, Counterpoint*. Opening the boards of that first book, none of Huxley's friends could have been prepared for what they found inside. The gentle, abstracted poet of lines like

*No dip and dart of swallows wakes the blank
Slumber of the canal: —a mirror dead
for lack of loveliness remembered*

turned into an assassin when he wrote fiction. ("I have done an admirable short story," Huxley once wrote to his brother Julian's future wife. "So heartless and cruel that you would probably scream if you heard it: the concentrated venom is quite delicious.") Sure the writing sparkled and the plot unfolded with professional ease, but there was something acid and unsettling about the way the stories portrayed the emptiness, the artistic and moral pretences of the very friends who were now reading the book. The only thing that saved Huxley from the anger that later greeted Evelyn Waugh's similar lampoons was the fact that Huxley dissected his own pretensions with equal ferocity. He never stinted on himself.

Huxley dealt with his angst by moving frequently, living in Belgium, France, Spain, and Tunisia, and Italy, where his wife Maria and he became friends with D.H. Lawrence. As the Twenties drew to a close they semipermanently established themselves at a villa in Sanary, France, among the mix of artists and idle rich lucky enough to live on the Côte in the years immediately preceding the Crash of '29. From Marseilles to Antibes, the Midi was an expanded version of a Garsington weekend. It was familiar fauna, and one might have expected a continuation of what the London *Times* described as "the many-toned wit . . . the learning, the thought, the richness of character."

But Huxley gave his readers instead the anti-utopian *Brave New World*. *Brave New World* was Huxley's first stab at themes that would occupy him for the rest of his life: the gap between technology and human wisdom; the misapplication of evolution; the failure of education to create a whole man; the



Huxley and his second wife, Laura, an Italian concert violinist, still grinning eight days after their March 19, 1956 marriage.

increasing centralization of power, with its elevation of ends over means. It was also his most savage book, consigning the human species to the trash heap, albeit a comfortable, pleasurable trash heap. In a world in which science allows you to customize the ultimate in bread and circuses, argued Huxley, the concept of coercion becomes meaningless. One of the brilliant elements of *Brave New World*, indeed the one that made the whole vision of state-controlled euphoria plausible, was the drug *soma*. In terms of pharmacological reality, *soma* was a combination of three different kinds of mind drugs: on one level it was a pleasant and entertaining hallucinogen, on another a tranquilizer like Librium or Valium, on a third a sleeping pill. There was nothing coercive about *soma* use: diehard individualists had the option of relocating to several offshore islands.

But *soma* was only a symptom of Huxley's larger theme, which was the machining of human nature. The genius that had allowed the smart monkey to tame the natural world was beginning to focus on itself. And unless something was done to alter the monkey's fundamental psyche, the consequence was going to be a scientific hell that called itself paradise.

Huxley's intellectual companion during these years, and perhaps his mentor, was a London literary boulevardier named Henry Fitz Gerald Heard—Gerald to his friends. In 1937, the two moved to America, eventually settling in Los Angeles, where they became a familiar presence on the local spiritual scene, studying Vedantic Hinduism at an ashram in Hollywood. The ashram was under the supervision of a canny, charismatic teacher, Swami Prabhavananda, who some years earlier had been ordered to Los Angeles by his teacher to fulfill the larger karma of introducing the inner disciplines of the East to the materialistic West. To leave not only his native land, but the contemplative solitude of the ashram, for Hollywood, California—it was not a task Prabhavananda had welcomed. But he had come and prospered, confirming the shrewdness of his teacher's foresight.

The ashram, in classic Southern California fashion, was shaped like a miniature Taj Mahal, and was surrounded by

lemon trees and young girls meditating in saris.

Prabhavananda was fond of tea parties, during which he would debate Huxley and later Alan Watts, on various doctrinal points. The swami counseled asceticism in all things, including sex.

"But Aldous, what if we don't like him? What if he wears a beard?" was Maria's comment when Huxley announced that he had invited an unknown chap named Humphrey Osmond, a psychiatrist no less, for a visit. The offer of room and board chez Huxley was a rare ticket; even Julian, when he was in town, stayed at a local hotel.

The possibility that Osmond might be a tedious bore hadn't occurred to Huxley, and after a few moments' thought he arrived at a simple solution. "We can always be out," he said.

Osmond, some three thousand miles away, was having similar fears. What if he couldn't play in Huxley's intellectual league? What if he came off as a tedious bore? "You can always arrange to stay late at the APA," his wife said.

He need not have worried. The thing Huxley prized most in a fellow conversationalist was intellectual breadth, and Osmond had plenty of that. Like Heard, he could turn on a conversational dime and launch into a disquisition on, say, scurvy, that was so vivid one would almost swear he had shipped with Da Gama when half of the gentleman's crew perished. Maria, watching Aldous warm to the younger man, confided to Osmond: "I knew you'd get along. You're both Englishmen."

Huxley accompanied Osmond to several APA sessions, which he found deadly dull, and amused himself by genuflecting whenever Freud's name was mentioned. The

Photo from Peter Stafford's *Psychedelics Encyclopedia*, published by J.P. Tarcher, Inc., Los Angeles, CA.



HUMPHREY OSMOND

OH WOW! Aldous Huxley entering the "Blakean world of heroic perception" on the morning of May 4, 1953.

subject of mescaline didn't arise until two days before Osmond was to leave, and then it was Maria who broached the subject, having decided that the famous British reticence was going to prevent the two men from discussing what was certainly uppermost in Aldous's mind. Osmond admitted that he had brought some mescaline with him; while Huxley conceded that he had borrowed a tape recorder to preserve a record of the experiment.

The next day, May 4, 1953, Osmond dissolved some mescaline crystals in a glass of water and nervously handed it to Huxley. Outside it was one of those perfect LA mornings, blue and warm, with just a trace of smog hanging over the San Bernardino valley. What if the drug worked too well, Osmond thought to himself. Although Smythies and he had begun to appreciate that there was more to the mescaline experience than simple psychosis, that didn't diminish the possibility that the next six hours might be absolutely hellish. And Osmond didn't relish the possibility that he might become infamous as the man who drove Aldous Huxley crazy.

On the other hand, what if nothing happened? It was beginning to dawn on Humphrey that Huxley had some rather idiosyncratic notions about what he hoped to achieve in the mescaline state. Nowhere was this more explicit than in the letter Osmond had received confirming his invitation to stay with the Huxleys while at the APA. After the usual pleasantries, Aldous had launched into a critique of what he called the Sears & Roebuck culture:

Under the current dispensation the vast majority of individuals lose, in the course of education, all the openness to inspiration, all the capacity to be aware of other things than those enumerated in the Sears-Roebuck catalogue; is it too much to hope that a system of education may someday be devised which shall give results, in terms of human development, commensurate with the time, money, energy and action expended? In such a system of education it may be that mescaline or some other chemical substance may play a part by making it possible for young people to "taste and see" what they have learned at second hand, or directly but at a lower level of intensity, in the writings of the religious, or the works of poets, painters and musicians.

Osmond was using mescaline as a mimicker of madness; Huxley wanted to incorporate it into the curriculum.

The minutes passed slowly—too slowly for Huxley, who told Osmond he expected to enter what he called the Blakeian world of heroic perception. What actually happened was much more mundane. The lights danced. The inside of his eyelids dissolved into a complex of gray squares that occasionally gave birth to a blue sphere.

Then, ninety minutes into the experience, Huxley felt himself pass through a screen, at least that's what it seemed like, and suddenly he was seeing "what Adam had seen on the morning of creation." It was as though, born myopic, he had just put on his first pair of glasses. The colors, the shapes, the sensuous mysteriousness of his flannel trousers. Later Aldous would pun that he had seen "eternity in a flower, infinity in four chair legs, and the Absolute in the folds of a pair of flannel trousers."

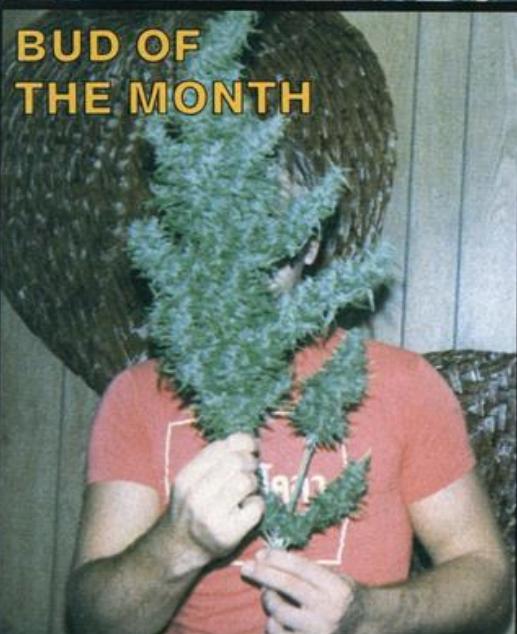
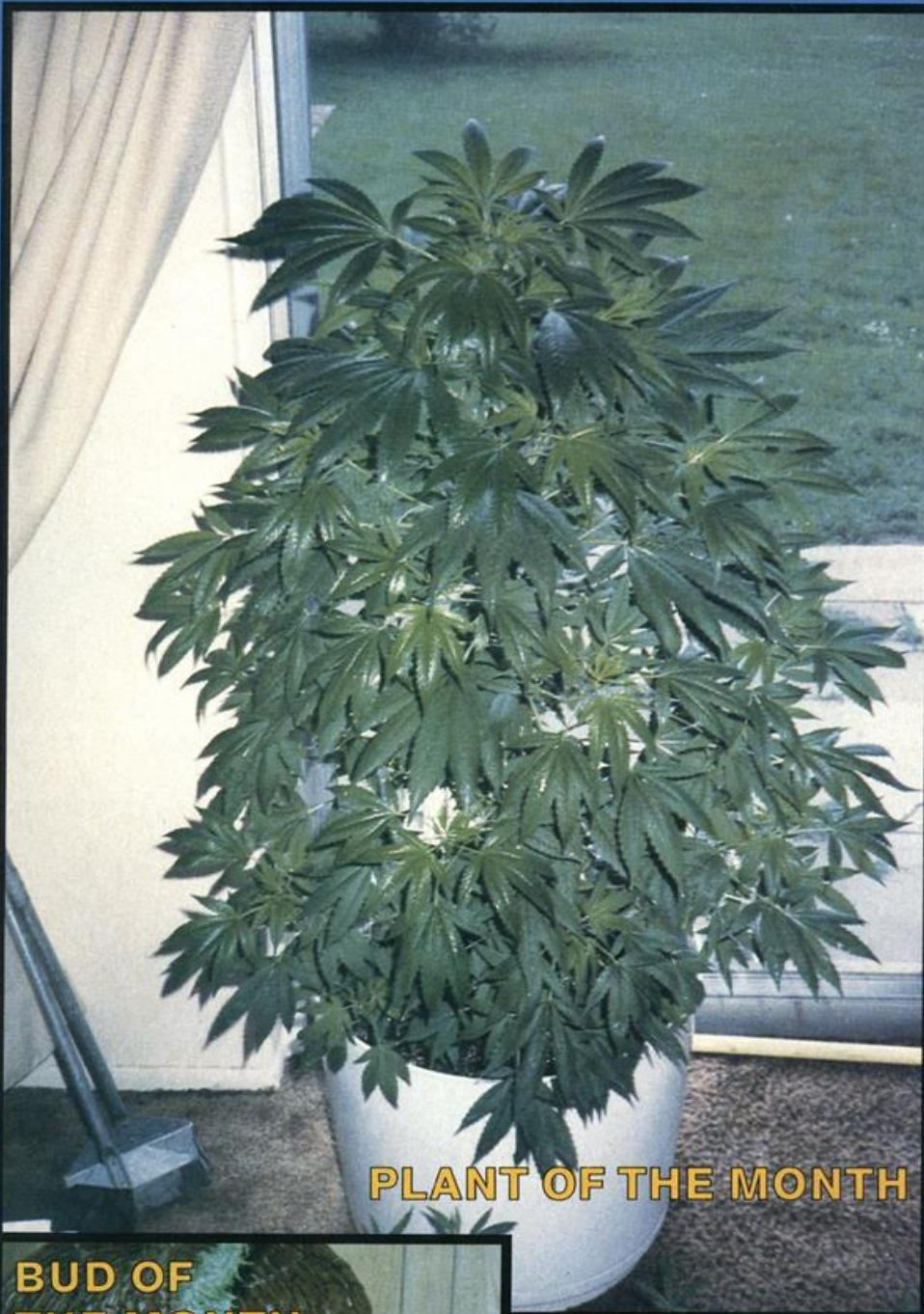
He kept murmuring, "This is how one ought to see."

Mescaline, Huxley decided, intensified the visual at the expense of the temporal and spatial. There was a pronounced

continued on page 86

ASK ED

BY ED ROSENTHAL



Indica hash plants grown in the Detroit suburbs.

—The Miami Vice Man
Michigan

My friend Alf says he'd love to take a bud of this Kentucky bluegrass home to his buddies. Haaa!! I've just been telling Alf how I grow the stuff outdoors year-round in containers and move them to cut back the photoperiod and to keep them from getting found. Harvest time comes about once a month here in sunny Florida.

—The Source
Fort Pierce, Florida



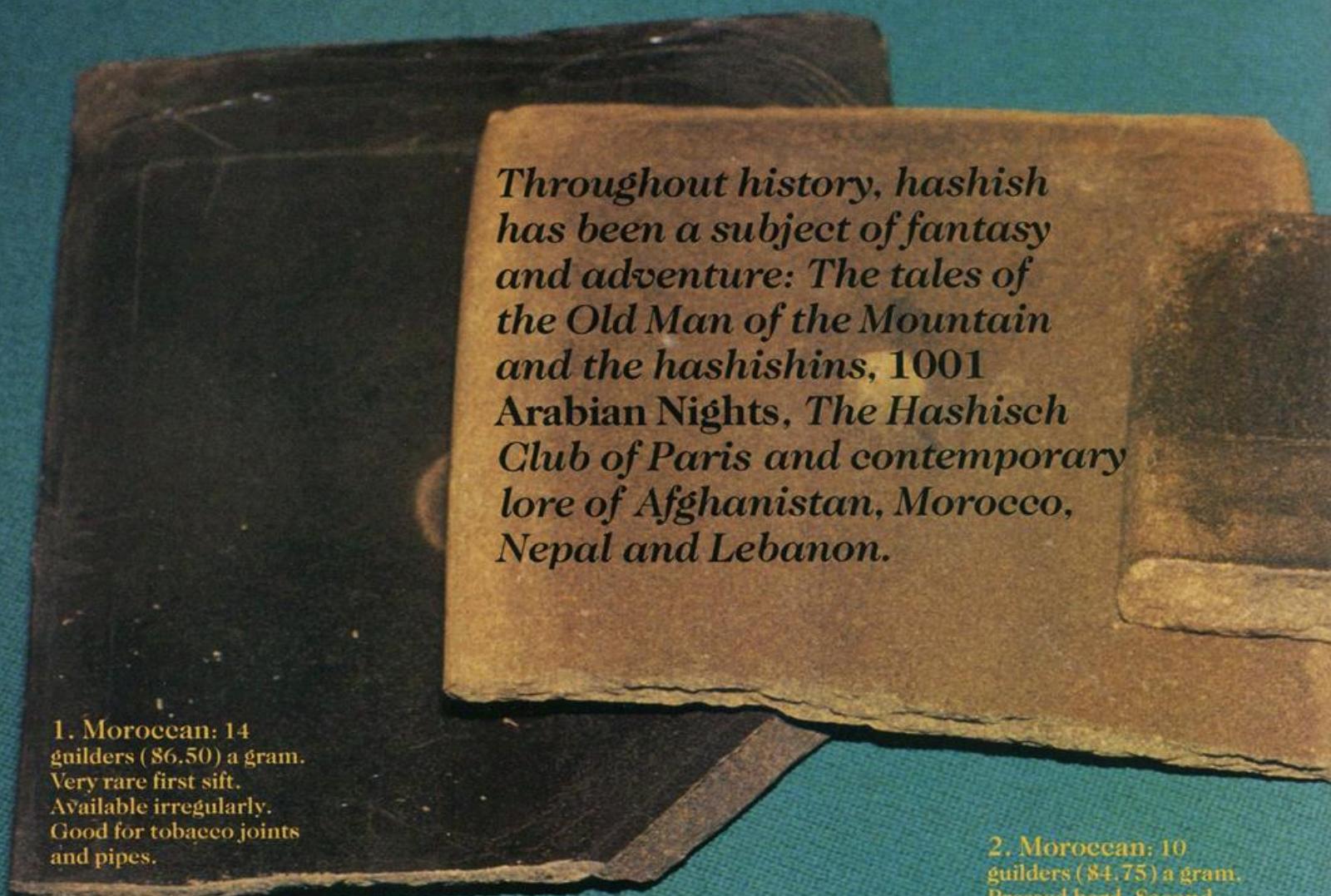
Four plants, 14 feet tall, grown in western Pennsylvania.

—D.
Allison Park, Pennsylvania

INTERNATIONAL CULTIVATION REPORT #6 HOT SLOW—COOL FAST

Chrysanthemums ripen in the fall as a reaction to the number of hours of uninterrupted darkness. They were

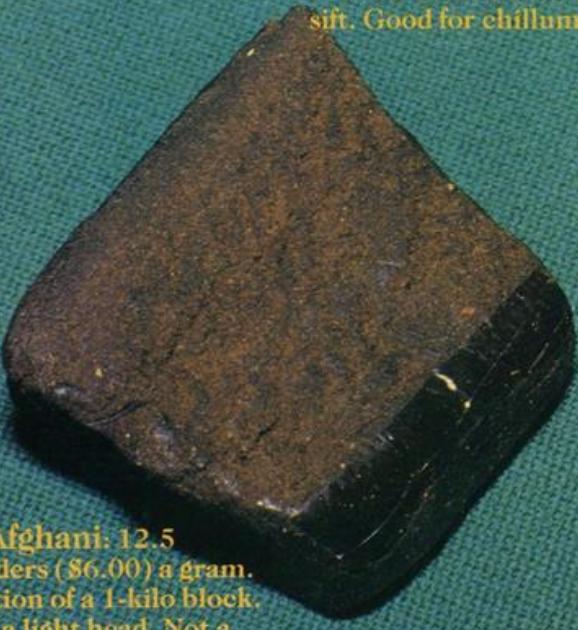
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Throughout history, hashish has been a subject of fantasy and adventure: The tales of the Old Man of the Mountain and the hashishins, 1001 Arabian Nights, The Hashisch Club of Paris and contemporary lore of Afghanistan, Morocco, Nepal and Lebanon.

1. Moroccan: 14 guilders (\$6.50) a gram. Very rare first sift. Available irregularly. Good for tobacco joints and pipes.

2. Moroccan: 10 guilders (\$4.75) a gram. Pressed hard. Second sift. Good for chillums.



8. See 7.

7. Moroccan: 12.5 guilders (\$6.00) a gram. Second sift. Available regularly. Mild high.

9. Afghani: 12.5 guilders (\$6.00) a gram. Portion of a 1-kilo block. Has a light head. Not a body high. (I think that this was made with *sativa*.)

1988! International Year Of **Hashish**

by Ed Rosenthal

In the United States, hash is an esoteric pleasure. Few people have regular access to the concentrate and it never gained the popularity that the grass waves of Mexican, Jamaican, Colombian, Thai and, finally, American sinsemilla have attained. Two reasons for this are that the supply routes for marijuana are more convenient than those for hash—South America is a lot closer than Afghanistan. And secondly, hash is inconvenient for joint smokers. Hash crumbs put in a joint tend to fall out as red hot coals, ready to burn skin or clothing. Of course, that's no problem for pipe

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3. Ketama
(Moroccan): named
for the region in the Rif
mountains. 11 guilders
(\$5.25) a gram.
Commercial. Mixed sift.

4. Moroccan: 8
guilders (\$3.75) a gram.
Commercial bulk. Good
for tobacco joints and
chillum. Not too oily.
Weak high.

5. Same as 1.

6. Origin unknown.

10. Kashmir: 11
guilders (\$5.25) a gram.
High head. Not a body
high. Makes people
laugh.

11. Lebanese: red—
like Lebanese used to
taste. Pre-frontal buzz.
Jumpy.

12. Origin unknown.

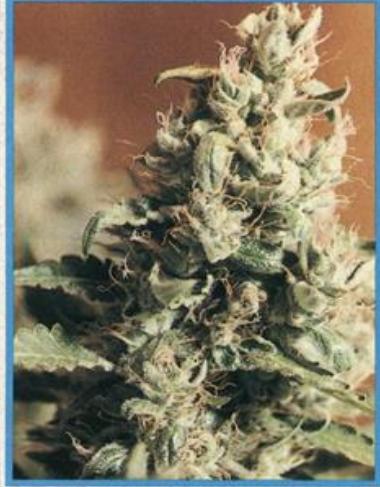
**13. Chitran (N.
Pakistan):** 11 guilders
(\$5.25) a gram.
Commercial. Strong.
Heavy.

ASK ED

PHOTO EXTRA

BY ED ROSENTHAL

I get a lot of good photos. Only one wins each month, but there are still photos that deserve to be seen. Here are some of them. P.S.: As you can see, I leaned towards "human interest" in this group.



How are these *indicas* for 2½ months old!

—Oat's Willie
Victoria, Texas



Here are some pictures of my '86 crop. I had some nice ones until fall. Fall brought some damp and dark weather which brought mold. Mold totally took over my plants. It wasted $\frac{1}{4}$ of my crop. Got about 1½ lbs. from my 7 ladies.

Someone I know grew the same plants in different dirt about 10 miles away from me. The smoke tastes, looks and smells different from mine. Got an explanation?

—Rollin' Thunder
Gasport, New York

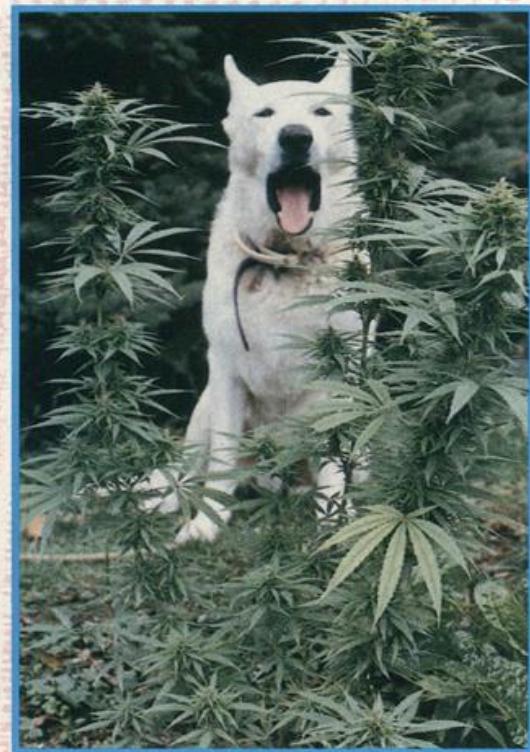
Same as different bouquets of wine from grapes on different sides of the hill. The micro-climate affects the plant's subtle flavors.



Vital statistics are 5'6", green, very resinous and grown in a 3½-gallon container for mobility.

We used it as a control for a larger peer group in the forest as it reduces visits.

—"Big Buds"
Perth, Western Australia



The top of this plant was cut off at 2 weeks old. It got only 1 hour of sun each day. But it still was sweet and sticky.

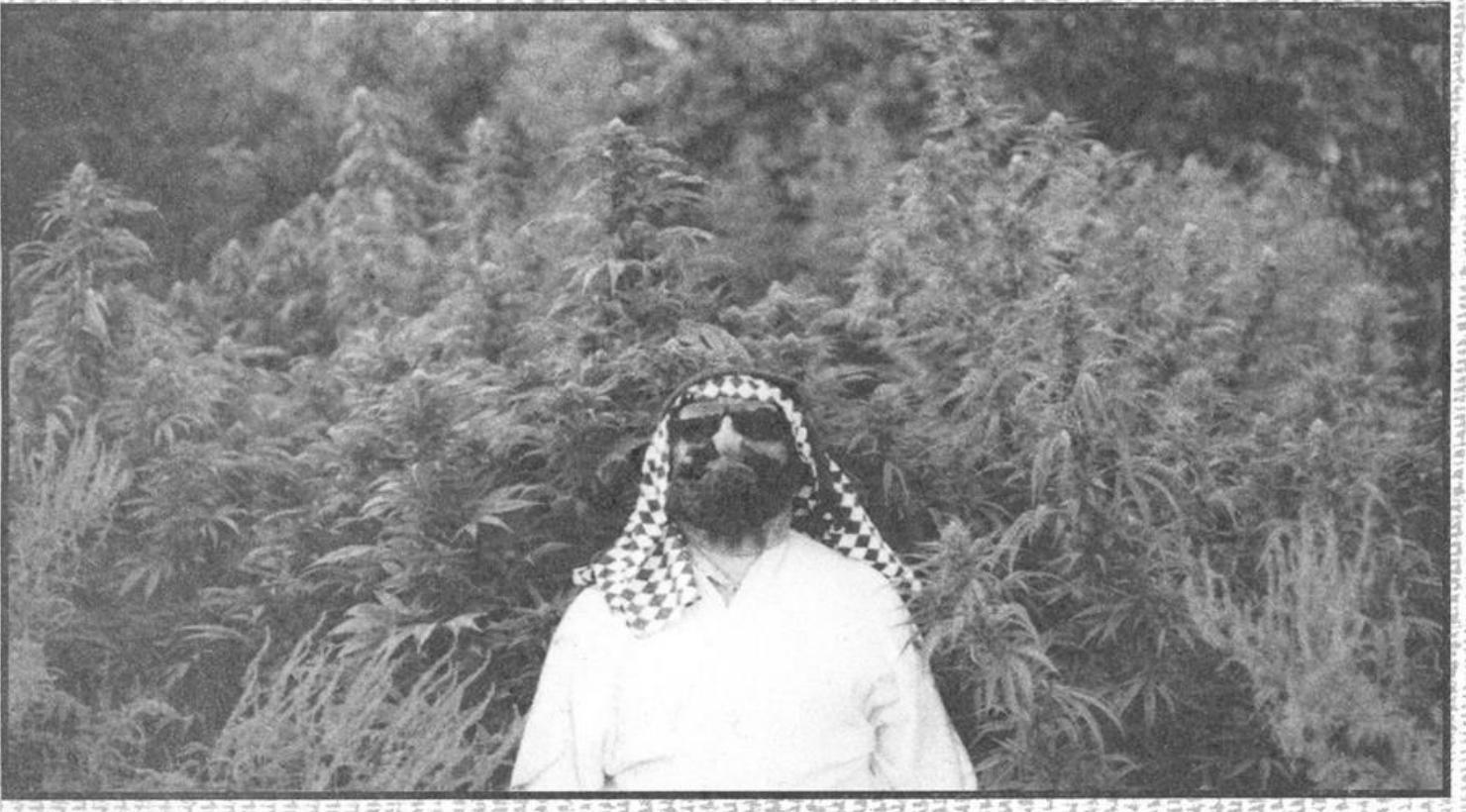
My dog Frosty made sure nobody smoked my buds.

—Ray
Philadelphia, Pennsylvania



The seeds these plants grew from came from some seeded Afghani weed I coppiced from my friendly dealer. I don't cop anymore.

—Bud
Queens, New York



These plants were grown on the Indiana-OH border. The seeds were a second-generation skunk. They were started in 1-gallon peat pots containing a mixture of top soil, potting soil, blood and bone meal, and other organic fertilizers.

The females were planted in the ground in mid-June. A nearby water spigot and several connected hoses provided all the water needed during the dry summer months. The plants were fertilized weekly, alternating with Rapid-Gro and fish emulsion. When flowering began, Peter's Africa violet bloom was applied every two weeks.

The plants grew to a height of 6-10 feet and produced an average of 12 ounces of buds apiece.

—Carl
Asst. Greenskeeper
Bushwood Country Club Ohio

The plants were grown on our 15'x30' patio. Seeds from Holland. Total yield estimated at 3 1/4 lbs.

—J & CR
Louisiana

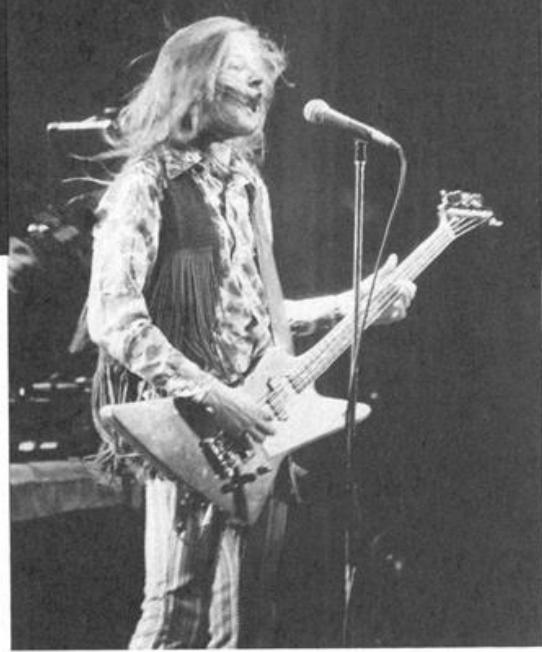




Redd Kross (left to right): Jeffrey McDonald, Steven Shane McDonald, Robert Hecker and Roy McDonald

The latest trend in rock is not punk, glitter, disco, rap, country and western, power pop, but psychedelia. Today, groups are being influenced by early Led Zeppelin, Blue Cheer, Mountain, Steppenwolf, Grand Funk Railroad, and the Beatles.

A weird twist to this story is that the groups leading the charge back to the past are reformed punk rockers who have gone full circle. Just as the early punks were disillusioned hippies, who believed that '70s hippies no longer represented the ideals of the '60s, '80s punks are turning their backs on the mindless violence and one-dimensional music that hardcore punk has degenerated into. The best news about this new music movement, which some call "Hippie Punk" and others call "psychopunkadelia," is that punks have brought new energy into the '60s sound.

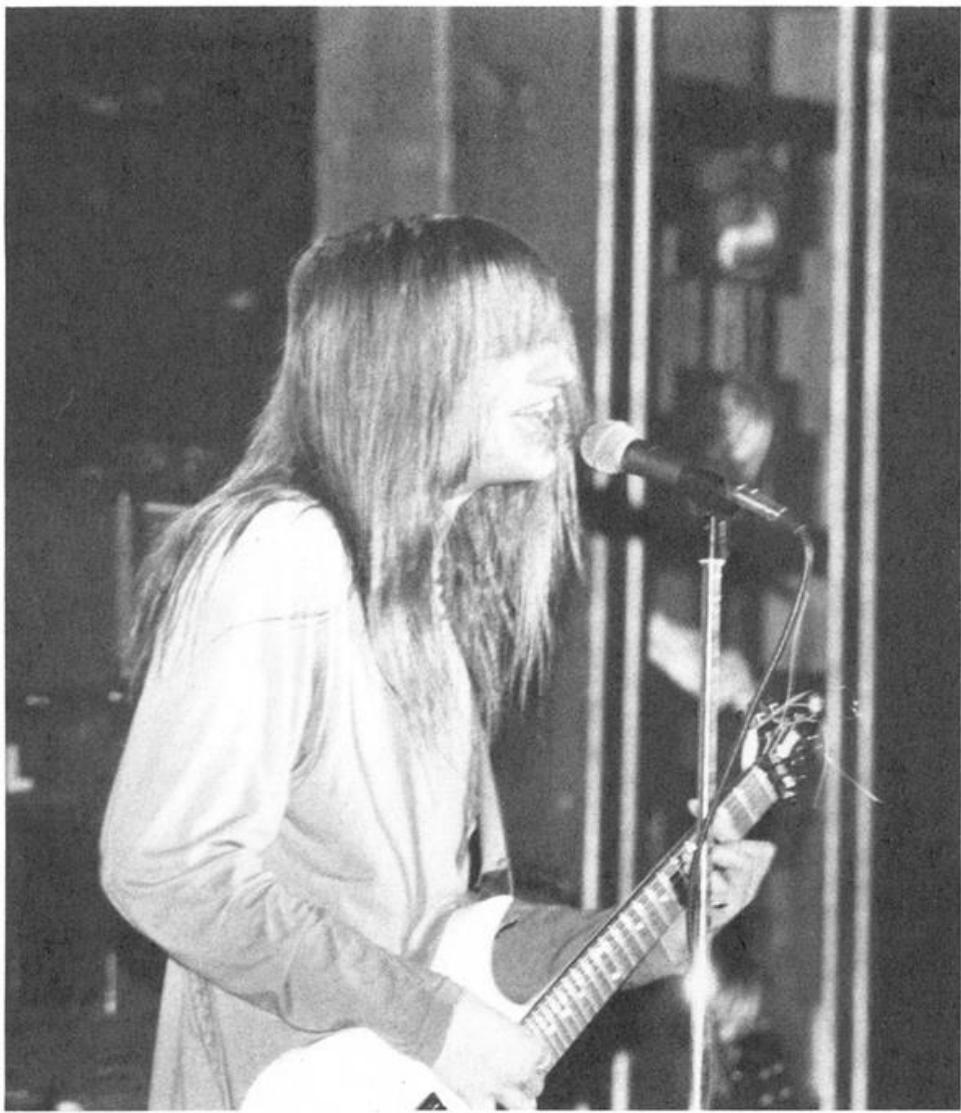


Steve McDonald shows off his Neil Young look.

Of course, the words "hippie" and "punk" aren't as exclusive as you might have been led to believe. In the good old days, the word "hippie" was almost always followed by "punk," like in "those no-good hippie punks." For example, who could forget Frank Zappa's immortal take-off on "Hey Joe" from his classic hippie send-up concept album *We're Only In It For The Money, "Flower Punk"?*

REDD KROSS Krossed Over From Punk to Psychedelic

by Tai Baldwin



MONICA DEE

Jeff McDonald's hair is so long, he actually hears it—“Is he a boy or a girl?”

In the late '70s and early '80s, REDD KROSS were one of the most prominent L.A. punk bands. A HIGH TIMES story about L.A. hardcore punk, published in May 1984, named REDD KROSS one of the most important punk bands left in the universe. By then they had already turned their backs on punk, and for good reason. Although early on punk rock was an exciting, original idea, by the mid-'80s it was a tired concept. The L.A. hardcore scene had even become dangerous, as police and punks clashed in violent confrontations.

So the members of REDD KROSS grew their hair long, and went back to their original musical roots like the Beatles, the Rolling Stones, and Mountain. With the release of their latest L.P., *Neurotica*, and a recent East Coast tour, REDD KROSS are getting a lot of attention. The current line-up consists of the McDonald brothers, Jeff and Steve,

ex-Sham 69 drummer Roy McDonald (no relation), and Robert Hecker, who bears somewhat of a resemblance to Carol Burnett. Their previous releases include the E.P.s *Redd Kross*, and the most recent, *Teen Babes from Monsanto*, a showcase of covers by Kiss, The Stooges, and even Boyce and Hart's "Blow You A Kiss In The Wind" as performed by Serena from the '60s sitcom, *Bewitched*.

Jeff and Steve, the founding members of the group, wear long, waist-length hair, and look more like hippie bands from the '60s than hippie bands from the '60s do. "Been growin' it for four years now," says Jeff.

Since REDD KROSS has "betrayed" the hardcore scene, I asked Jeff how the skinheads and punks of California react to their new look. He answered, "They really don't bother hassling us. I think the thing is skinheads know we've been

around. They know we were one of the original L.A. punk bands. They know a slight history of us 'cause they get back issues of *FLIPSIDE* and stuff like that, so even if they don't like us they won't threaten our lives 'cause then they're endangering their absolute coolness. If they did, it would look like they didn't know what was going on, like they weren't hanging around that long, so they're kind of standoffish. Sometimes they're cool, sometimes they like us, sometimes they scream out things like, 'Your music's no good cause it doesn't come from the streets!' When people make comments like that, it's completely inspirational!"

Roy says he learned to play drums to such cowbell classics as the Stones' "Honky Tonk Woman," Mountain's "Mississippi Queen," and the Beatles' "Rain," which has been incorporated into their live concerts. He feels that Ringo was one of the all-time great drummers, and you can hear the Beatles' influence in their music.

Beyond those influences, REDD KROSS also admit to some pretty strange inspirations. Although Jeff denies he was ever influenced by K.C. and the Sunshine Band, they will admit to being influenced by the ultra-extravagance of Kiss, the streetwise stance of the Runaways and the pop simplicity of the Cowsills. That's right, the Cowsills, who were the acceptable face of hippiedom back in the '60s, and whose biggest hit was "Hair" (from the Broadway musical). According to Jeff, their song "Mackenzie" was actually based on the Cowsills' hit "The Rain, The Park, and Other Things" and really has nothing to do with Mackenzie Phillips. "Of course we love Mackenzie, but it's really about God. We just use the name Mackenzie to throw people off."

Whatever. Now, as if being rock-'n'rollers isn't enough for these guys, they're also movie stars, already appearing in two full-length features, *Desperate Teenage Love-dolls* and its sequel *Lovedoll Superstar*. In *Desperate*, Jeff makes a cameo performance as a derelict wino who gets clobbered with his own guitar, but it's Steve who steals the show as the unscrupulous hot shot promoter Johnny Tramaine. Steve also has a starring role in *Superstar* as Johnny's twin, Rainbow,



MONICA DEE

Although the group's live performances are frenzied, Redd Kross swear they've kicked their drug habits.

a hippie-turned-hardcore freak. In both movies Steve's performances are both diabolical and humorous, reminiscent of the villains on Quinn/Martin productions. He even came close to snatching a role in the current teen-shocker *River's Edge* but lost out to Josh Richman. Will there be more film projects to look forward to? "We hope so," says Jeff. "Actually, we're going to do a benefit in L.A. soon to raise money for some 16mm film equipment, so it looks like we're beginning to think about doing another movie. I don't know if it will be another *Lovedolls* movie, this particular one, we're not sure yet."

Although they make their living

off of rock'n'roll, REDD KROSS would rather discuss old TV shows than rock groups from the '60s. Robert loves *Star Trek* and *Planet of the Apes* movies, but Steve prefers sitcoms like *Partridge Family* and *Bewitched*. Regarding comedies, Jeff comments, "Debralee Scott mops up the floor with Penny Marshall. I can't hang out with Bonnie Franklin. She's not happening at all!"

These guys take TV seriously. One day they actually went as far as to call up Elizabeth Montgomery, one of their favorite TV stars, to sing their version of "Blow You A Kiss In The Wind," which she made popular performing on *Bewitched*. "We called her on the phone," Jeff says,

"and she said 'Hello' and then we went into an acoustic version of the entire song. Then after we finished she goes 'Oh, God, who is this, this is great!' She was even making hints like, 'You know I'd love to do that song again. I could do it so much better now.'"

Although the band has been together for ten years, they're not jaded about being in a band at all. In fact, after a recent visit to New York, REDD KROSS made sure to take time out after their shows to hang out with their fans, answer questions, and even pose for snapshots! That's just one more thing bands used to do in the '60s that most bands never do anymore.

PRODUCTS



Those interested in new developments in grow-light technology take note: East Coast Hydroponics has introduced what it considers the safest, most efficient grow light now on the market. It has an aluminum-alloy, sealed, remote ballast box and a 90-percent-reflective hood. The light is designed with a "V" channel above the bulb that doesn't allow light to be reflected back into the sodium arc

tube, thereby extending the life of the bulb. There's only ten feet of cord between the ballast box and the bulb on the sodium model—as specified (or required) by all ballast manufacturers.

The new light is available only from East Coast Hydroponics. You can place your order by calling 1-718-727-9300 in New York, or 1-800-255-0121 nationwide.



Sherlock Holmes knew that the best place to hide something is in plain view. Following that line of thought, Van Plier & Tissany has come up with a super new product that is the perfect place to hide anything of value. Who would think of looking inside a can of athlete's foot spray or a clogged-drain opener? The cans are the exact same size and color as the real thing, down to the warnings about toxicity on the labels. Only you will know that the bottom unscrews to reveal a hollow compartment that runs almost the full length of the can, giving you an ingenious place to hide your valuables in plain sight. The Burglar Fooler is \$19.95. Van Plier & Tissany is located at 325 Robertson Blvd., Beverly Hills, California 90211. Or you can call toll free: 1-800-237-8104; in California, call 1-800-237-7551.

Need help in beginning an indoor-growing venture? Those who do, in the Chicago area, can turn to Chicago Indoor Garden Supply for help. David, the store's owner, is an authorized Hydrofarm dealer. He is committed to bringing you the best and latest information and the fairest prices. David custom-designs growing systems for individual needs, and has been so successful that he has opened a second store in the Chicago area. If you need help but are not in Chicago, you can call Alternative Garden Supply at 1-800-444-BUDS for a free brochure. Or you can write to David at Chicago Indoor Garden Supply North, 108 N. Barrington Rd., Streamwood, IL 60107 (312-289-4545), or at Chicago Indoor Garden Supply South, at 599 Williams Street, Thornton, IL 60476 (312-877-1616).



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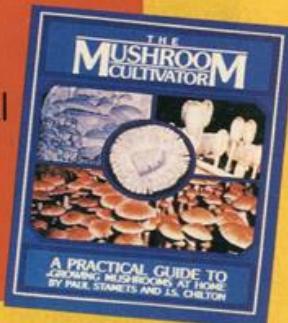


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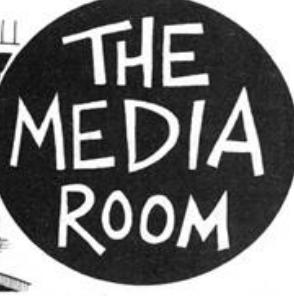
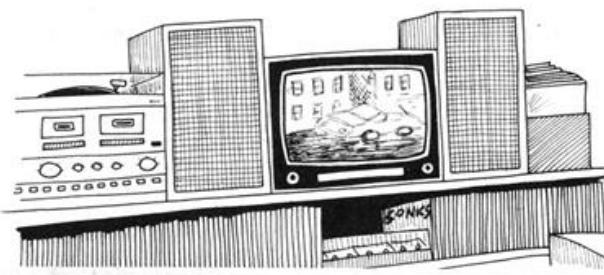


PHOTO: COURTESY CLEIN & FELDMAN

Dennis Hopper, center, is the captain of the "Uncle Slam," a vintage B-29 from which he and his drug-crazed crew run a pirate TV station to preserve The American Way.

REEL NEWS

by Jim Poling

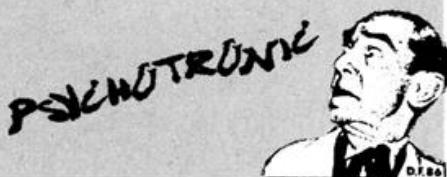
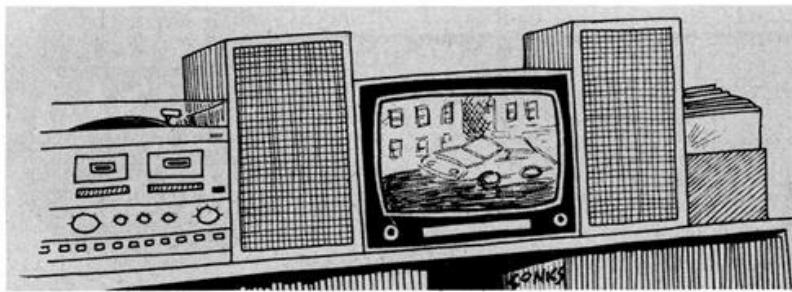
THE AMERICAN WAY

Floating on an LSD cloud, a B-29 bomber (manned by perpetually stoned Vietnam vets) crashes through our friendly skies in an effort to pirate the airwaves using the bomber's brainwashing technology, which was perfected during the war. Their anarchic message is spread through a signal they call S&M TV, and is targeted at a presidential candidate named Willa Westinghouse. Willa is a transvestite

and likes to be referred to as a "Christian war-monger." That gets a laugh, but it's a lonely one in a movie that should have had the nerve to stay inside the bomber—a marvel of claustrophobic art direction. Like the submarine in **DAS BOOT** and the sweaty bowels of the **ALIEN** spaceship, the bomber *Uncle Slam* is like a floating tomb in the Twilight Zone. Overrun with video equipment (the dozen or so monitors are continually barking at us), missiles and a five-too-many crew of five bonded in constant pandemonium, you get the feeling they'd kill one another if there was room for it. But just as these gonzo

dropouts succeed in fraying their nerves and ours, the comedy gets earthbound, grounded hopelessly in obvious attacks on the middle class and suburban complacency and hypocrisy. The targets are easy ones, but director Maurice Phillips is so afraid of missing them he clobbers them to death; one shot of a female televangelist's off-the-air shouts of "What the fuck!" is enough, but four? Dennis Hopper, who should realize he wouldn't lose respect by turning down a role, is the dazed and ranting crew leader who does a lot of pacing and puffing and, given the confines of the cabin, the pacing doesn't take a lot of screen time. He seems wasted even when he reeks of **APOCALYPSE NOW** madness, which goes so far as a

continued on page 74



By Michael J. Weldon

Everybody and their mother knows all about Woodstock. Not many remember The Atlantic City Pop Festival (a week before that other show, in August '69). I went to other musical festivals later (in Atlanta, Toronto, and Cincinnati) but Atlantic City was the all around best. (It was also the first time I took LSD.) I flew to Philly from Cleveland with three high school friends and hitched to the fascinating, crumbling, pre-gambling Atlantic City. After swimming, and a night on the beach, we joined a bunch of freaked-out French Canadians on a bus to the Atlantic City Race Track, where we were greeted by community spirit free noise from David Peel and The Lower East Side. After running past a confused ticket taker, we lost each other and settled in for two full days and nights of music, with an endless supply of wine, grass and electric whatever. Iron Butterfly had flaming cauldrons on stage and played their hit for a long time. A band called Aum was no big deal, but the guitarist impressed me by leaping off the high stage into the audience during a song. A few early acts had bad sound problems. The Fogerty Brothers got pissed off and walked after three Creedence songs. Joni Mitchell practically had a nervous breakdown. I

was disappointed by The Byrds (who played "Eight Miles High" like it was their Inna-Gadda-Da-Vida), the Jefferson Airplane, who sounded like they just met each other, and the Mothers of Invention. Zappa and his band played Uncle Meat jazz. I wanted "We're Only In It For The Money!" Chicago (Transit Authority) just plain sucked (still do), but it was great to see Tim Buckley. (I'm now the proud owner of all nine of his albums). I also can't believe that I saw Lothar and The Hand People (from Manhattan!), a very tight, unique group with a theremin for lead instrument, and Dr. John, the Night Tripper, complete with voodoo garb, dancing Cajun queens and hypnotic gumbo music. Santana were just as intense as they were in that movie, and the Chambers Brothers did an unbelievable version of "Time Has Come Today," and had thousands of stoned almost-hippies dancing.

Atlantic City only had one Brit band, but what a great one! Procol Harum, who had just released *A Salty Dog*, could sound nice and moody, funny-psychedelic, and could rock too. It's too bad that they waited too long to release a live album. I don't know who could have topped off those two days for me, but I thank whoever booked the acts for picking Little Richard! Instead of the '50s parody rock of Sha-Na-Na, who got famous playing at Woodstock, Little Richard 1969-style was a timeless, gaudy, crazed-out-of-control rocker/ stripper with a full band. (It seems ironic that Richard, who had been doing it since the early '50s, was as exciting as ever, while many of the most famous bands at

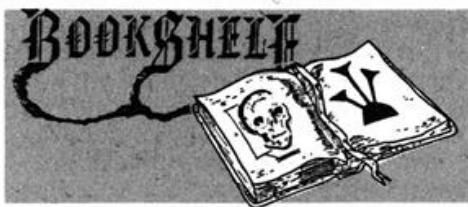


the festival were already worn out, making inferior albums and fighting with each other.) Seeing Little Richard was the closest I ever got to real '50s frenzy. After all this, I was supposed to report back to boring school in a few weeks. If anybody out there has tapes from this festival, write to me in care of this mag. I'd also like to know who else played there that I forgot during my first, teenage altered states.

TWISTED IMAGE

by Ace Backwords ©1988





The Art of Rock: Posters From Presley to Punk

The most definitive, the most beautiful, the best packaged and the most expensive book on rock posters has just been published. There are 1500 full color and 100 black and white reproductions of the best rock posters from the last 30 years in this volume, which was researched and written by Paul Grushkin, formerly the director of the Bay Area Music Archives. Five years ago, Grushkin co-authored another definitive volume on rock, the hugely popular *Grateful Dead: The Official Book of Dead Heads*.

The Art of Rock is arranged chronologically and regionally, including posters from across the U.S., Canada and Europe. The color reproductions are spectacular—in some cases, better than the original posters. Everyone who is/was anyone in rock is covered. Poster artists represented in this volume also comprise the best in the business, including Rick Griffin, Stanley Mouse, Alton Kelley, Victor Moscoso, Gary Grimshaw, John Van Hamersveld and Wes Wilson.

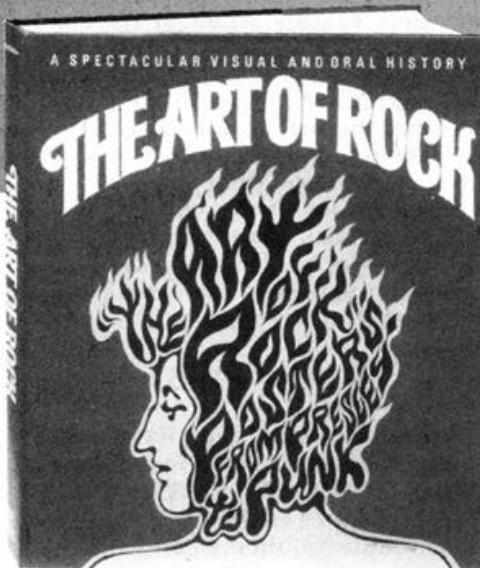
After you've looked through the book six or seven times, you might want to read it. Mixed in with the incredible posters are interviews with the poster artists, concert promoters and several of the rockers. This volume is so good that there has to be a catch—and there is: the price. This impressive, oversized volume retails at \$85.00, so purchasing one may become a joint venture. On the other hand, you could wait until after Christmas and then see what your local bookstore has marked it down to. However you handle it, if you like rock posters you must get your hands on this book.

—Howard Zimmerman

(*The Art of Rock*: 516 pages from Abbeville Press. \$85.00)

The Mayan Factor

Ten years ago Jose Argüelles wrote an amazing book, called *The Transformative Vision*, about the art, history and cycles of time recorded in the sacred calendars of Tibet, India and pre-Columbian America.



The Mayan Factor picks up where he left off and gets into some pretty strange places. It's a hard read, totally obsessed with number arcana. The man is crazed with the stuff.

An academic shaman, Argüelles peers into the sacred calendar of the ancient Maya and finds it is a bio-mathematical blueprint for life itself. Further, he feels that it reveals the end of the era of Western techno-thought and the rebirth of the integrative philosophies of ancient wisemen through New-Age physicists.

The Maya had no metallurgy and did not use the wheel, yet their mathematics was subtle and powerful. They had a 5012-year-long "Great Cycle," which ends in 2012. Their calendar, called the *Tzolkin*, is what Argüelles calls a "harmonic module." It is a code of 260 units that, he feels, does much more than merely mark the passage of time. According to the author, it carries a galactic imprint of space and time. But wait—it gets weirder. The Earth in this scheme is a living, conscious organism, and the Maya themselves were "galactic agents" from the hub of the galaxy.

Last summer's *Harmonic Convergence* was mostly Argüelles' idea. It represented the moment in the Mayan calendar when a pivotal alignment with galactic energies created an opportunity for our species to raise itself to a new evolutionary plateau—to synthesize a global culture and to heal the world. Heavy stuff, indeed.

If you can get past the mostly unsupported assumptions, there is a deep mythos at work here. Students of higher consciousness will find in it a positive force at work on global enlightenment; mystics will hear a voice prophesying a new beginning. But, densely coded as it is, the reader must work hard to receive the message. However, the pay-off is worth the work.

—Mark Mutchnik

(*The Mayan Factor*: 221 pages from Bear & Company. \$12.95)



By James Marshall

THAT SHIT'S ILLEGAL. Not all bootleg records are recorded on a cassette deck from the 356th row and pressed onto dreck in a plain white sleeve with a paper insert. In recent years many of the best reissues of rare records from the '50s and '60s, as well as many superb unissued recordings from major artists have surfaced with studio quality sound in glossy color sleeves, in packages far better than most legal American record companies would bother serving up. The best bootlegs are products of love, made by fans for fans of music that deserves to be made available. Record companies hate 'em because they don't make any money from 'em; so what? Fuck 'em. If they were putting out stuff we wanted to hear instead of trying to shove CD's down our gullet we'd be buying 'em. Artists hate 'em 'cause they don't get any royalties, fuck them too. In the case of major stars, they don't need the money; in the case of the obscure guys, they don't get paid anyway (you think MCA is sending Bo Diddley any money?).

The most exciting thing to surface in the bootleg world recently is **THE MILLION DOLLAR QUARTET** (no label)—actually a trio consisting of Elvis Presley, Jerry Lee Lewis and Carl Perkins captured on two studio quality discs in a 1956 jam at the fabled Sun studio. They harmonize together on a couple of dozen country gospel tunes, then on informal versions of "Don't be Cruel," "Brown Eyed Handsome Man," "Crazy Arms" and a dozen more, all the chatter left in. It's a fascinating document of three giant talents relaxing together, telling dumb jokes and stories and giving the listener the priceless feeling of being able to eavesdrop on a genuine historical moment (gulp).

continued on page 80

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REEL NEWS

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reference to "the smell of napalm." The cynicism in **THE AMERICAN WAY** is healthy, whether slamming censorship, the Republican Party, Vietnam, the media, Christian fundamentalism, commerce or apathy, but the manic energy goes nowhere and the satire is lost in the confusion. It's like those noisy streetcorner activists who only get louder and more insistent when you pass them by. What's the point, if no one can stand to listen?

PREVIEWS

While Vietnam still drags its ass into 1988 with the Robin Williams comedy **GOOD MORNING, VIETNAM** and whatshisname's **RAMBO III**, the new year promises nonetheless to revive the career of Sonny Bono. He's playing it as straight as possible opposite Debbie Harry, Jerry Stiller and Divine in John Waters' **HAIRSPRAY**, a flammable combination of 1960s Baltimore, rock 'n' roll and obnoxious stage mothers. Coming in a close second on the odd casting couch: perennial sex bomb Edy Williams and Lassie's Mother June Lockhart in **RENTED LIPS**.

Missing for years, Rickie Lee Jones resurfaces (though still unseen), lending voice and song to—of all things—the animated kiddie film **PINOCCHIO AND THE EMPEROR OF THE NIGHT**, with, of all people, Don Knotts. Well, she's working isn't she? Grace Jones, undaunted by her miserable movie career, continues in **SIESTA** with **THE BIG EASY**'s Ellen Barkin. Bob Dylan gets a part above the title in **HEARTS OF FIRE**, and one below, joining David Bowie, Yoko Ono and Julian Lennon in the documentary **IN MY LIFE—THE STORY OF JOHN LENNON**. Ruben Blades and Melanie Griffith (**SOMETHING WILD**) turn up in the touted **THE MILAGRO BEANFIELD WAR**. Can you wait (you can?) for Jack Nicholson and Meryl Streep in **IRONWEED**? I'll bet on more interesting performances from supporters Carroll Baker and Fred Gwynn in that one.

In 1978 Alan Rudolph (the fractured romantic who made **TRouble IN MIND** and **CHOOSE ME**) started working on **THE MODERNS**, a recreation of Paris circa 1926 with Mick Jagger, Keith Carradine and Charles Aznavour. A decade later, following the death of its screenwriter, loss of funds, countless rewrites and cast changes (Jagger and Aznavour out), it's ready; the mixture of literary phantoms, sex, defrocked nuns and

dreamy Dada aesthetics might prove to be the tonic to wash down Rudolph's winter filler, **MADE IN HEAVEN**.

VIDEO FUN

FRANK ZAPPA'S HONKER

The new Honker label is the demented brainchild of maverick musician, writer and director Frank Zappa, which will be specializing in what he calls "State-of-the-art weirdness." Not that Frank is going to be monopolizing Honker's output, but the initial four releases are all Zappa. First to be released is **BABY SNAKES—THE COMPLETE VERSION**, a virtually incomprehensible masturbatory epic in its full-blown 166 minutes (including the 91 minutes from its 1984 reissue). It features Joey Psychotic, Donna U. Wanna, Ms. Pinky's Larger Sister and Janet the Planet.

Copyright problems have held up the video release of Zappa's **200 MO-TELS**, but it's finally being dragged up from the underground; its cult reputation is understandable but what a shame that it's the only filmed record of **The Mothers of Invention**, here seen through the eyes of a demented (and unseen) Mothers fan. Berserk, sophomoric, imaginative and occasionally funny, Zappa appears in a cameo. With Ringo Starr, Keith Moon, animated penises and Theodore Bikel as the Devil. Also on its way from Honker: Zappa's **VIDEO FROM HELL** and **UNCLE MEAT**.

UNHOLY ROLLERS (HBO)

The best of the early '70s run of roller derby movies (accompanied the same year by the terrible **KANSAS CITY BOMBER** and the fair documentary **DERBY**), **ROLLERS** has all the ingredients of a women's prison movie but this time on skates. With the terrific Claudia Jennings—who didn't live long enough to gain a reputation even within the exploitation industry. Jennings can also be seen in the red-neck swamp classic, **GATOR BAIT** (Paramount).

THE GENE KRUPA STORY (RCA/Columbia)

While touching upon his scandal-making drug conviction in 1944 and his resultant prison term, this bio-pic of great jazz drummer Gene Krupa's raw and rowdy life gets a slick skimming over by Hollywood. Sal Mineo is well cast as Krupa and Anita O'Day, whose cry of "Blow, Roy, blow!" became a jazz fan battle cry for years, plays herself. ●

continued from page 61

sold only as a fall flower until researchers discovered that by manipulating the hours of darkness, using shading and lights, the plant could be flowered at any time the grower wanted. Since that time chrysanthemums have been stocked in flower shops all year round.

Because chrysanthemums are such a valuable legal crop, they are the subject of an incredible amount of research. Recently, Dr. Terrence Nell, a researcher at the University of Florida in Gainesville, conducted some research regarding temperature and flower development.

Most growers place chrysanthemums in the hottest part of the greenhouse when the dark period is lengthened, to force flowering until bud color appears. Dr. Nell and his associates, Dr. Jim Barrett, graduate research assistant Anne Whealy and Dr. Roy Larson of North Carolina State University, grew 51 different cultivars (varieties) and found dramatic differences in tolerance to heat. In some cultivars heat resulted in some delay in flowering. In others, not only was there more of a delay in flowering, but "...the flowers look very abnormal, with twisted petals and bract formation." The team found that heat damage was worse the longer the mums were exposed to high temperatures.

Marijuana flowers may also react negatively to a high heat regimen. Buds tend to run under low light levels and be more compact under high light levels. However, heat above the high '60s or low '70s tends to promote running in plants. As compared with outdoor conditions, even the brightest indoor systems might be considered low light, so a high heat regimen will promote runny buds. Equatorial varieties are less tolerant of low light conditions. High heat potentiates this stretching.

When plants grow as part of an adapted population such as pure Afghani, southern African or Colombian, they have a fairly predictable way of dealing with heat and light conditions that are usually encountered. When a plant encounters conditions that are not typical of its environment, it may react in unusual ways. Hybrid plants, or cultivars sold by the seed companies, have a mixed genetic heritage and may react even more unusually.

Outdoor growers have often noted that their buds ripened up after a gentle frost. Indoor growers have often had difficulty ripening buds when heat

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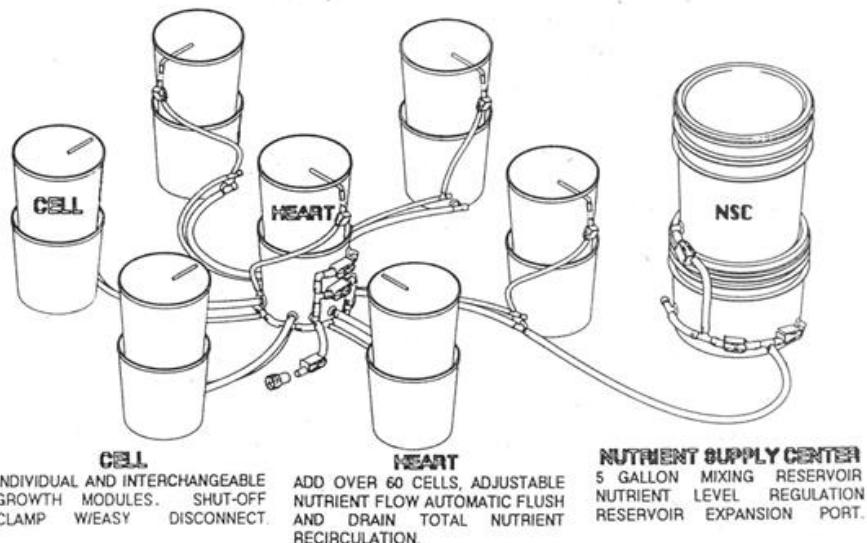
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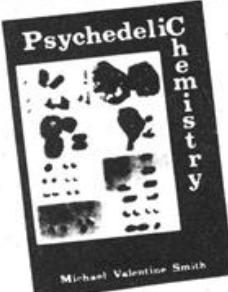


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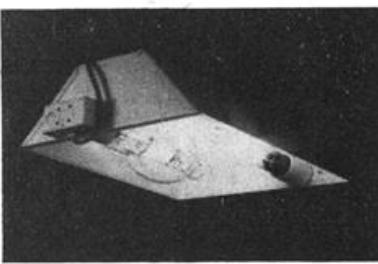
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A S K E D

continued from previous page

conditions were too high. The subject of heat, bud delay and bud formation is going to become a fertile field of investigation as the seed companies' cultivars become more standardized.

Dear Ed,

Does potency depend upon the size of your plant at harvest?

—Neo-phyte

Long Beach, North Carolina

No. The potency of the plant is determined primarily by its genetic background. Some plants are genetically programmed to produce large quantities of THC. The maturity of the plant is another factor. Plants produce more THC when they are flowering. The environment also plays a role in THC production. Plants that are healthy tend to produce more THC than unhealthy plants. The jury is still out on the effect of temperature and humidity on THC production.

Dear Ed,

What, in your opinion, are the reasons legislators and their constituents choose to believe the lies that keep marijuana illegal, even to the point where research into pot's known medicinal properties has virtually ceased.

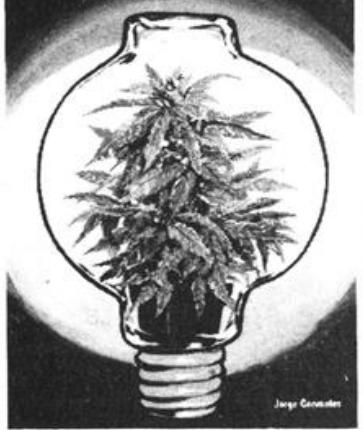
—Mr. E

Wichita, Kansas

In previous articles I have mentioned that there is a three-headed monster opposing marijuana legalization. First there are the scientists who receive grants from the government to carry on research regarding pathology associated with marijuana use. The scientific relevance of these scientists' experiments is of little importance. More important is the political slant of the research. In other words, the government is only supporting research that tends to confirm its contention that marijuana causes health problems.

The second group opposing marijuana legalization are the combined forces of the police, courts and jails. Voluntary organizations of law enforcement personnel have been among the most vigorous supporters of harsh marijuana laws. Of course, chasing pot-heads is easier work than confronting a violent criminal. Changing the marijuana laws might cause unemployment among jailors. Even though the prisons are overcrowded

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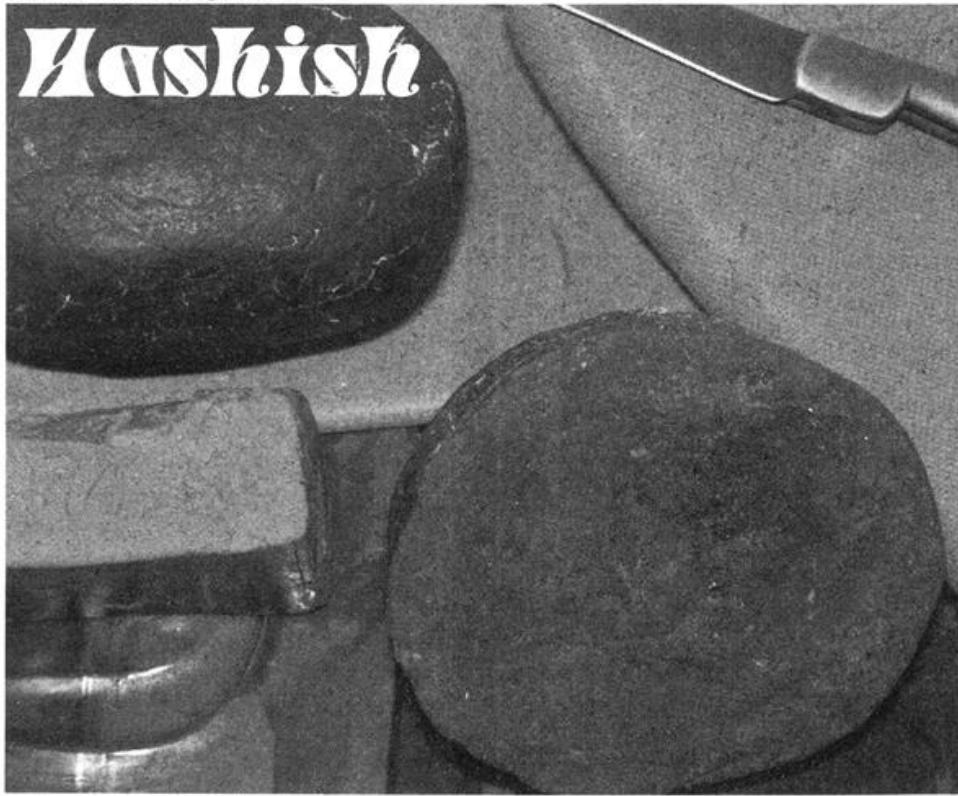
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continued on page 81



smokers. However, it does cut down on the use of the substance. In Europe, hashish is the choice of heads; they mix hash crumbs into their hand-rolled cigarettes.

Dutch coffee shops typically offer 5-10 different kinds of hash, including:

MOROCCAN: several grades. This is the staple, the equivalent of Colombian grass. It comes in several grades. It usually is not great.

LEBANESE: which is often brought in through Israeli connections and whose quality has gone down as the war in Lebanon has continued.

AFGHANI: which has a checkered history, including an uncertain trip through Pakistan. While some hash is still pressed in Afghanistan, other versions include powder, which is gathered in Afghanistan and pressed in Pakistan; or, Afghani seeds are grown in Pakistan. "Border Afghan" is a term often used to describe much of this material.

NEPALESE: formerly considered the highest quality. The hand-pressed, connoisseur-grade is almost non-existent. Current exports are much lower grade and the art of hashmaking seems to be dying out there.

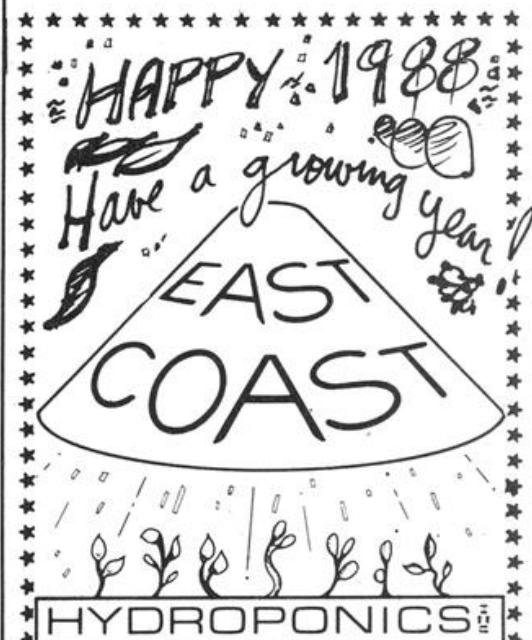
This is not to say that some great

hash is not available, but rather that the quality varies considerably, just as with grass. To further confuse matters, many Dutch wholesalers are making reconstitute out of several kinds of hash, often with added adulterants, such as finely ground grass. Hash is processed to "up the grade" of lower-quality merchandise.

Small-scale marijuana cultivation seems to be tolerated by the Dutch government. This has allowed marijuana researchers to continue their work without much interference. Naturally, with the popularity of hashish in Holland, some of the scientists turned their efforts in the direction of these pressed glands. Now there is even a small amount of extremely high grade "Nederhash" for sale by private dealers, although to my knowledge it has not made its coffee shop debut.

Research is being carried out on two fronts—development of hash plants and improved methods of extraction or concentration. At HIGH TIMES we believe that the hashish revolution has started, and christen 1988 the INTERNATIONAL YEAR OF HASHISH.

Over the next year we will be presenting a number of articles about hashish that we believe will light up the subject. ●



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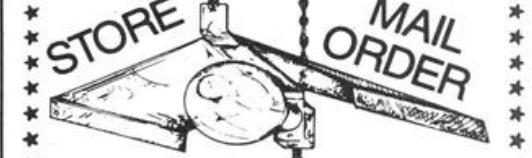
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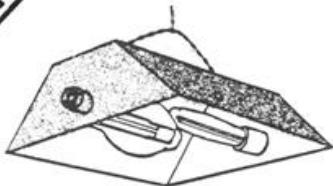
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H O U N D

continued from page 73

There's an entire series of bootlegs imported from the U.K. (that's England, stupid) of live mid-'60s BBC broadcasts. Best of the batch is **ROLLING STONES — Crackin' Up** (Beeb), 20 tracks of studio-quality live stuff, half without audience, half with. To hear Brian Jones' nasty slide is to know not all Englishmen are mascara-wearing fudge-packers. As an avowed Beatles-hater I hate to admit it, but **BEATLES ON THE**

BEEB (Beeb) contains some pretty tough sounds. It's the Beatles when they were a leather-clad rock 'n' roll **band**, playing hard and loud like they did in Hamburg, but better 'cause the sound quality is fantastic. You might also want to check out the

YARDBIRDS — Chirping Yardbirds on the BBC, which features the Jeff Beck-led Y-Birds wailing through their best tunes with a few surprises like Beck playing slide on "Train Kept A Rollin'."

There are enough Dylan bootlegs to fuel the economy of a small third-world nation, and I won't begin to try to cover 'em all, but **LIVE AT ALBERT HALL** and **LIVE AT NEWPORT** (Quality) are my favorites—electric Dylan at his most methedrine crazed. The former is the legendary 1966 concert with the Hawks (nee Band) and is one of the three best Dylan lp's ever. Makes you wonder, given the quality of Dylan discs since **Blood On the Tracks**, what a jerk B.D. is for not letting this come out legally. The latter is from the '65 Newport Folk Festival with the Butterfield Blues Band in support; contrary to legend, nobody can be heard booing.

The Stooges were the most brutal rock 'n' roll band there ever was, and **IGGY & THE STOOGES — 1974**

Rehearsals (no label) captures the post-**Raw Power** line-up: Iggy, James Williamson, Ron & Scott Asheton and piano player Scott Thurston running through a batch of tunes slated for the never recorded follow-up to **Raw Power**. Best are "Open Up & Bleed," "Cock In My Pocket" and the violent blues jam "Pinpoint Eyes." Sound quality is good stereo.

Little Richard is the undisputed king of rock 'n' roll and outtakes from his legendary Specialty sessions are wonderful things to hear. These great moments in musical savagery are captured on two Dutch bootlegs—**LITTLE RICHARD SESSIONS** (Sunjay) and **THE RARE LITTLE RICHARD** (Redita). The first has alternate takes and false starts of "Heebie Jeebies," "Rip It Up," "Good



Is that a cock in Iggy's pocket, or is he just glad to see you?

Golly Miss Molly," etc., with much studio yap left in. A not-to-be-snafed-at inclusion is Richard's 1955 Macon, Ga. demo tape of "My Star." The latter has more of the same, including six minutes-plus of Richard teaching his band to play Piano Red's "She Knows How To Rock Me" ("gimme sumpin' jammy...") and a hysterical radio spot for Royal Crown hair creme.

The above serve the purpose of exposing unheard sounds from well-known artists that were never released legally. The other thing bootlegs are good for are making available hopelessly obscure discs that the straight industry can't be bothered rereleasing. **SIN ALLEY Vol. 1** (Big Daddy), **Vol. 2** (no label) and **Vol. 3** (Cornball) and **DESPERATE ROCK 'N' ROLL Vol. 1-4** (Flame) are mostly rockabilly with some R&B and hillbilly rockers thrown in, with emphasis on the most twisted, disturbed and unusual sounds from obscure artists who recorded for small one-shot labels. Records as sublime as the **Crazy Teens** "Crazy Date" (Sin Alley Vol. 1) or Kip Tyler "She's My Witch" (Desperate Vol. 3) are things of rare beauty indeed, and with compilations like this you don't have to pay some nerd record collector a fortune to hear 'em. You also might want to investigate **AT THE PARTY** (Candy), which is split between sick rockabilly, wild R&B and some truly crazed instrumentals (check it out—The Saxons' "Camel Walk" is downright mystical). If instrumental rock 'n' roll from the late '50s and early '60s is your thing, **STRUMMIN' MENTAL VOL. 1-4** (Link) contain the best of Link Wray's and Dick Dale's disciples proving you don't need more than one word in a song. ●

continued from page 76

now, if the prisoners of weed were freed, there would be no need to build more cells.

The so-called "parents" groups, which are directly and indirectly funded by government agencies, are the third leg of this unholy alliance. These front and propaganda groups were set up by the DEA and other agencies to fight the "children" battle.

With the Reagan regime however, there is another reason for attacks on marijuana. The powers supporting Reagan are very conservative (read: fascist). Their biggest political fright was the uprising of young people in the late '60s. In fact, conservative fund-raising literature often refers to that period of time with horror—they claim it could happen again. And they associate this period of time with the first widespread use of marijuana. Radicals always seemed to be smoking dope and protesting.

While these arch-conservatives might fear cocaine (and its effects upon the work force and productivity) and heroin, their real emotional charge is against marijuana. Cocaine are not political, heroin keeps the underclass blissed out, but marijuana... it makes average, middle-class kids into raging radicals. Whether or not this is true, the conservatives believe it, and aim to keep it illegal and out of your hands.

Dear Ed,

Sometimes when I smoke pot I get headaches the next few days, even if I smoke only one joint! Is it possible to be allergic to marijuana? Is marijuana the cause of my migraine headaches? What should I do about it?

—T'

Downey, CA

Yes, it is possible to be allergic to marijuana. Other symptoms people have reported are hot flashes, rashes, psychotic reactions. Although I am not a doctor, I would advise people not to come in contact with substances to which they are allergic.

Dear Ed,

I am currently starting my next crop indoors. I plan to start cuttings from my mother plants, which came up Dec. 16. If I were to induce flowering when the plants are two months old—Feb. 16—and then move outside in early March, would they remain flowering throughout the summer or would they go back into vegetative growth until late summer?

continued over

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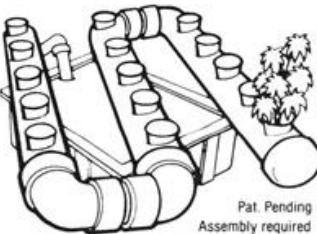
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A S K E D

continued from previous page

Also, what would happen if indoor plants were kept on a 15-hour-light, 15-hour-darkness cycle to induce flowering?

—Darrell

Andrews, North Carolina

Dear Ed,

When you start your plants early and put them out in the spring for some early bud growth, how do you harvest the buds?

—U.T.

The Green Mountain State

If the plants were placed outdoors in early March, they would continue to flower vigorously until late March or early April and then go back into vegetative growth until late summer. Harvest the buds by cutting them off when the bud growth slows down or stops.

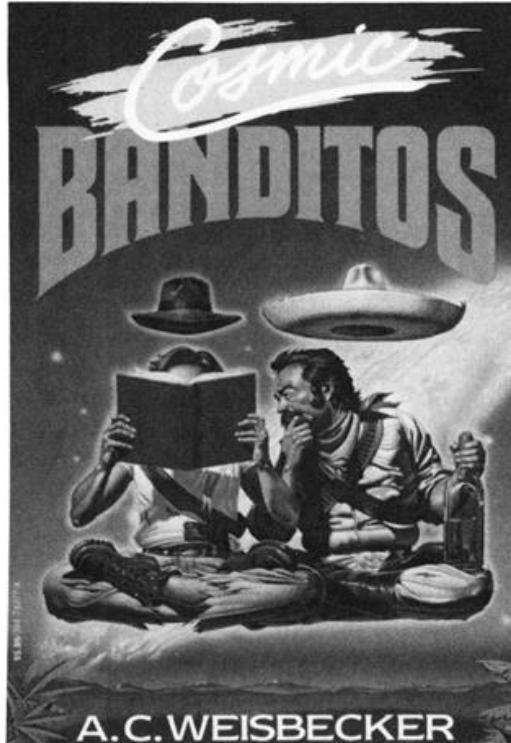
Beginning Dec. 22, which is the shortest day of the year, day-length gets longer. On March 22, the first day of spring, the day-length and night-length are equal. Day-length continues to grow until June 22, the first day of summer, after which it begins to shorten again. Day-length grows at a faster pace and gets longer the higher the latitude, so that identical plants grown in the north are set back into vegetative growth faster than plants grown in the south. Varieties trigger at different night-lengths. More northerly adapted varieties trigger with shorter night-lengths than varieties adapted for the lower latitudes, so the more equatorial a plant, the slower it will revert to vegetative growth.

There has been little work done on extended day cycles and flowering in light-mediated flower reactions in plants. Experiments regarding marijuana are soon to be started.

An extended light-length might increase bud size. Bud size is in part determined by the amount of light energy available, which the plant uses for growth. Increasing the number of hours of total light the buds receive should increase total bud growth.

• I welcome comments, tips and questions regarding marijuana and marijuana cultivation. Send all letters to Ask Ed, HIGH TIMES, 211 E. 43rd St., New York, NY 10017. Also send entries for the Bud, Plant and Garden of the Month Contests. All correspondents whose letters or photos are used will receive a free copy of my book, *Marijuana Growers Handbook, Indoor/Greenhouse Edition*.

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Cosmic Banditos

What do you get when you cross a Hunter S. Thompson wild drug odyssey with a Robert Anton Wilson investigation into the nature of matter and reality? YOU GET *Cosmic Banditos*, by A.C. Weisbecker.

Banditos is an hilarious, exhilarating trip that recounts the adventures of two drug dealers and their crazy compadres as they make and lose fortunes in the Caribbean, South America, Mexico and, ultimately, the United States. It is also an exploration into the heart of the atom and quantum physics. But don't let that scare you—the unexpectedly strange world of the microuniverse is painlessly explained and flows from this unexpectedly strange story itself.

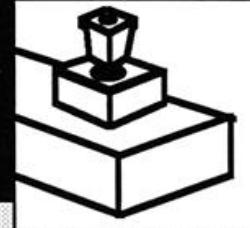
The story's heroes are the anonymous narrator—an American pot smoker—and his Colombian "bandito buddy" Jose. Although continuously stoned out on high-grade marijuana, this daring duo manage to get wrapped up in the revelations of quantum physics with most of the law enforcement agencies of the Western hemisphere hot on their trail.

A truly strange and crazy combination that could have come straight from the works of R.A. Wilson. In fact, there's a sneaking suspicion that *Banditos* actually *was* written by Wilson under a pseudonym. The back of the book offers the following information about the author: "Not much is known about A.C. Weisbecker, and A.C. Weisbecker wants to keep it that way."

Regardless of who wrote it, *Cosmic Banditos* is a must read for anyone who likes to laugh out loud or follow drug-crazed adventurers in a chaotic search for the true nature of reality.

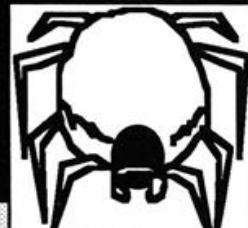
—HZ

(*Cosmic Banditos*: 193 pages from Vintage Books. \$5.95)



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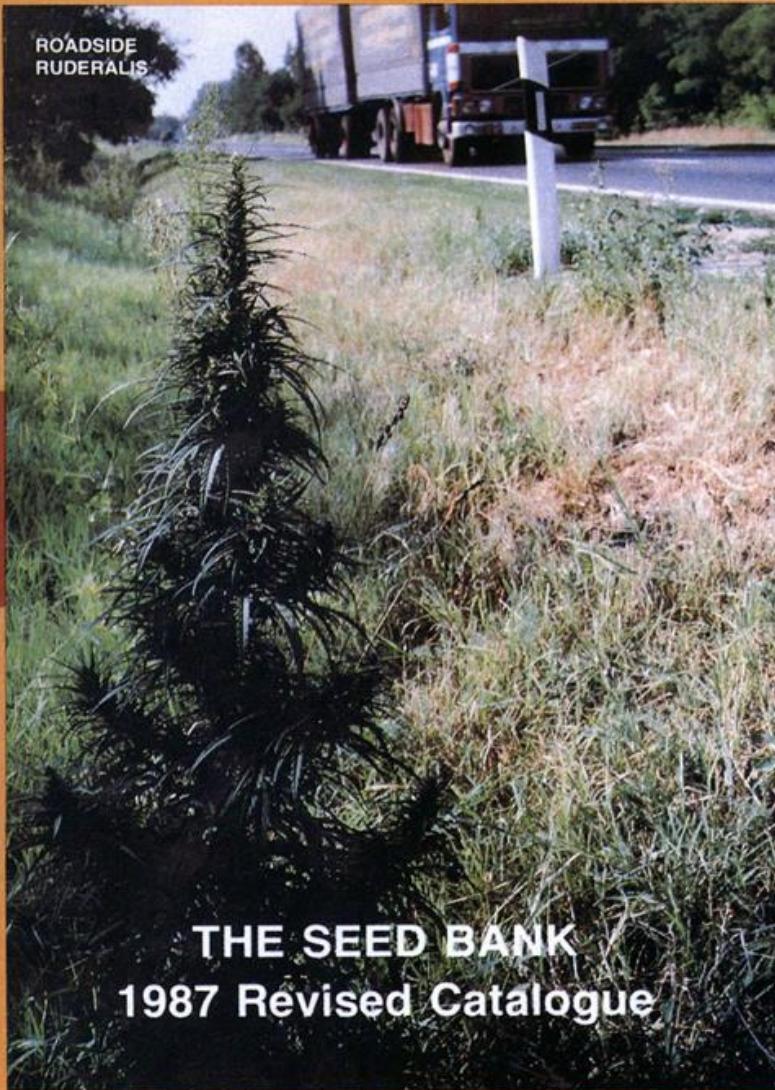
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NORML provides legal referrals and assistance, credible information about marijuana and the reassurance of moral support. We need your help!

If you or someone in your family has been arrested for marijuana, please write us about your experience.

If you or someone in your family has submitted to a random urine test and lost their job due to an inaccurate result, please write us about your experience.

If you have not yet been arrested or urine tested for marijuana, please help us help the victims while we work together to prevent it from happening to you!

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Once, vacationing in Italy, Huxley happened to stumble across the filming of *Helen of Troy*, one of those excessive Hollywood costume dramas of the 1950s. Now this production, on this particular day, had a particularly pressing problem: the script called for a *bacchanale*. But neither the director, a midwesterner, nor the assistant director, a New Yorker, were exactly sure what a *bacchanale* was. Enter Aldous Huxley. Who, as the assistant director later told the story, "went on for hours relating what he knew about bacchanales. As a result our bacchanale was so successful that the crowd people could not stop when the director cried 'cut.'"

loss of will, which gradually expanded into a loss of ego. And as the ego relinquished its grip, all sorts of useless data, biologically speaking, began to seep into the mind.

From the house, with its suddenly cubist furniture, they wandered into the garden. For the first time Huxley felt the presence of paranoia, and beyond that, madness. "If you started the wrong way," he told Osmond, "everything that happened would be proof of the conspiracy against you. It would all be self-validating. You couldn't draw a breath without knowing it was part of the plot."

"So you think you know where madness lies?" Osmond asked.

"Yes."

"And you couldn't control it?"

"No, I couldn't control it," Huxley said. "If one began with fear and hate as the major premise, one would have to go on to the conclusion."

But then the shadow passed. From the garden they moved to the street, where a large blue automobile touched off gales of laughter. Fat and self-satisfied, it seemed to Huxley that the car was a self-portrait of twentieth-century man; for the rest of the day he giggled whenever he saw one. Aldous was having a wonderful time. After years of theorizing that each of us carries a reserve of untapped vision and inspiration, he had suddenly stumbled across it at the advanced age of fifty-eight.

It was a little like that classic moment in children's literature when the hero walks outside one morning and discovers a door, where yesterday there was only blank wall. And beyond that door, a garden of infinite dimension, infinite adventure.

Huxley was jubilant.

Mescaline was "the most extraordinary and significant experience available to human beings this side of the Beatific Vision," he cabled his New York editor, Harold Raymond, adding that he was working on a long essay that would raise "all manner of questions in the fields of aesthetics, religion, theory of knowledge." He planned to call this essay *The Doors of Perception*, after Blake's observation that

If the doors of perception were cleansed
everything will appear to man as it is, infinite.

Destined to become the most famous volume on the psychedelic bookshelf, *Doors* took Huxley a month to write, and when he was done he had a blow-by-blow account of that afternoon with Osmond—events like the Dharma body of the Buddha manifesting itself in the garden hedge—tempered by liberal speculation as to what it all might possibly mean in terms of human psychology.

What it all meant, Huxley thought, was that Bergson and the English philosopher C. D. Broad had been correct when they suggested that the brain operated as a vast reducing valve, "shutting out most of what we should otherwise perceive or

remember at any moment, and leaving only that very small and special selection which is likely to be practically useful." Like the Freudian ego, this reducing valve was constantly beset by the raging tides of Mind at Large, which was what Huxley called Jung's archetypal unconscious plus Freud's pathological unconscious plus Myer's treasure house plus all the other unconsciousnesses yet to be named. And like Freud's ego, this reducing valve was not watertight: its seal was susceptible to pressure.

"As Mind at Large seeps past the no longer watertight valve," he wrote, "all kinds of biologically useless things start to happen. In some cases there may be extra-sensory perceptions. Other persons discover a world of visionary beauty. To others again is revealed the glory, the infinite value and meaningfulness of naked existence In the final stage of egolessness there is an 'obscure knowledge' that All is in all—that All is actually each." Which was why bookjackets gleamed with godliness and an innocuous canvas chair in the garden "looked like the Last Judgement."

There was nothing unique about Mind at Large: the smart money had been vacationing there for millennia—the number of hit or miss techniques could've filled a small booklet. But suddenly, with mescaline, mankind had lucked upon a technology. For the first time a science of the Other World was possible. Perhaps.

The Doors of Perception was published in the spring of 1954 to generally perplexed reviews. Had anyone else written a book recommending mescaline as "an experience of estimable value to everyone and especially to the intellectual," declared *The Reporter's* Marvin Barrett, it would have been dismissed "as the woolgathering of a misguided crackpot. But coming . . . from one of the current masters of English prose, a man of immense erudition and intellect who usually demonstrates a high moral seriousness, they deserve more careful scrutiny." Barrett called around until he found some Lab Madness researchers who were using mescaline as a psychotomimetic. They were "less enthusiastic than Dr. Huxley and the Indians," he reported. "In controlled experiments they have found that mescaline more often than not produces symptoms unpleasantly similar to those of schizophrenia."

The critical response to *Doors* was almost an echo of the *British Medical Journal's* condemnation of Havelock Ellis for his enthusiastic endorsement of peyote. In effect, Huxley's knuckles were rapped, and another black mark was added to the "whatever happened to Aldous" column. "How odd it is that writers like Belloc and Chesterton may sing the praises of alcohol (which is responsible for about two-thirds of the car accidents and three-quarters of the crimes of violence) and be regarded as good Christians and noble fellows," Huxley complained, "whereas anyone who ventures to suggest that there may be other and less harmful short cuts to self

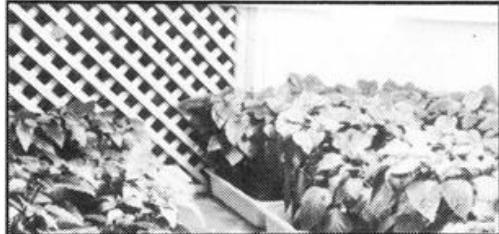
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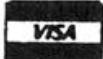
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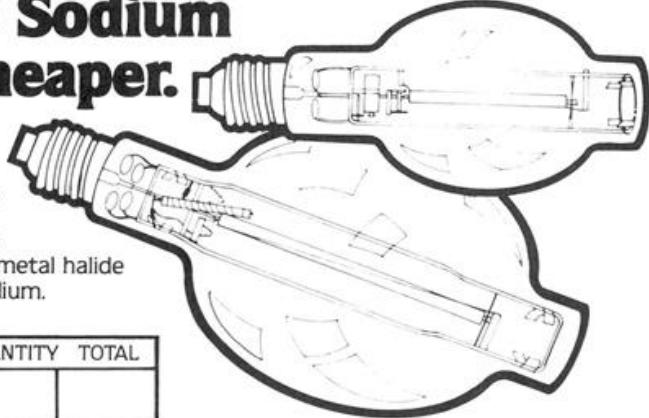
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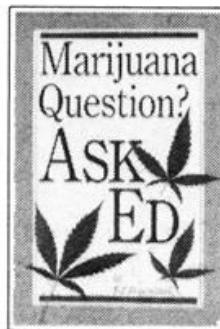
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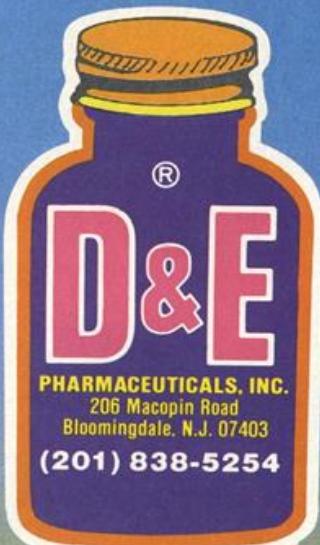
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GO-GO GIRL of the month

Donna Lupie

Readers have deluged the HIGH TIMES offices with requests for more pictures of The HIGH TIMES Rasta T-shirt Model. Since people stop DONNA in the street to tell her that they saw her picture in the latest issue, she was thrilled to do it. "When she's not posing for psychedelic photos, Donna's busy appearing in movies. She plays Mona in a short film based on William Gibson's *Mona Lisa Overdrive* (see the November issue of HIGH TIMES for an exclusive excerpt), directed and produced by Stuart Arbright and William Barg. She also plays Club Diva in *Arena Brains*, a film directed by Robert Longo. If that's not enough, she ALSO performs with the ultra-metal sex-biker band, The Cycle Sluts from Hell. Finally, in her spare time, Donna likes to paint (the tiger in the background was drawn by her). Pretty good stuff!

We editors get asked, "So what's Donna really like?" and "What's her phone number?" all the time. So we'll tell you. She's a very nice girl, although she's very hard to get to know. (If you thought we were gonna give you her phone number, you're nuts!)



Photo by John Eder
Accessories Courtesy
Trash & Vaudeville
Background Painting by
Donna Lupie

COMING NEXT MONTH

If you thought last year's Grateful Dead issue was good (or even if you didn't), wait 'til you see—and read—our gala special **PINK FLOYD** issue! Lenny Kaye, a guy with more credits than we've got room to list—for instance producer (Suzanne Vega), compiler (the historic **Nuggets** collection), critic (**Rolling Stone**, **Creem**, **Rock Scene's Doc Rock, Punk**), musician (**The Patti Smith Group**, **The Lenny Kaye Connection**, **Link Cromwell**) and much more—will fill us in on the band's history (with an assist from Managing Editor Lou Stathis detailing recent events), while some of the world's best rock photographers will show you how the band looked from their earliest psychedelic days to their latest tour. ALSO: **Maintenance Run** by Owl, **Engineering Your Grow Room** by Shady Grove, and an interview with **Jesse Crumb** (Spawn of **Robert**). Look for us on January 19, 1988!



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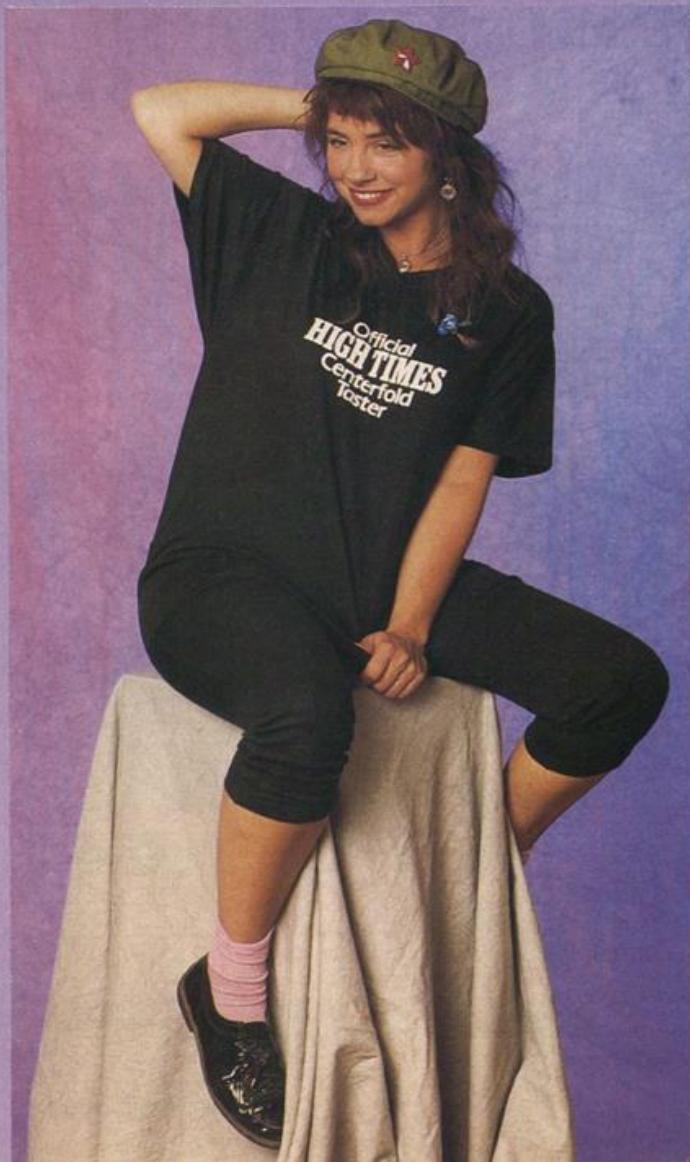
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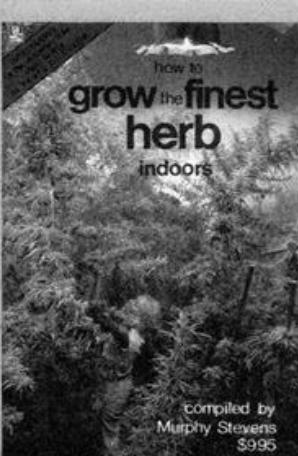
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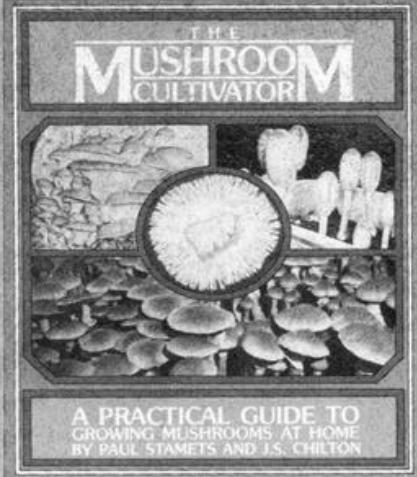


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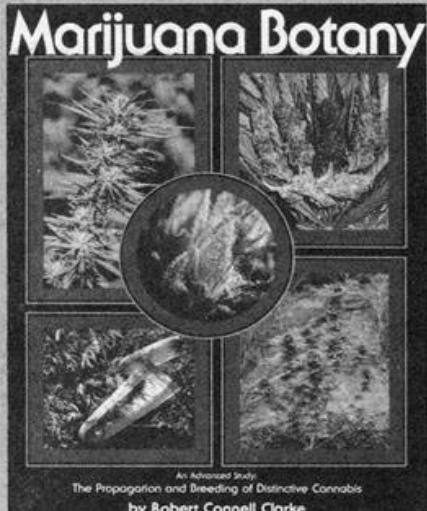


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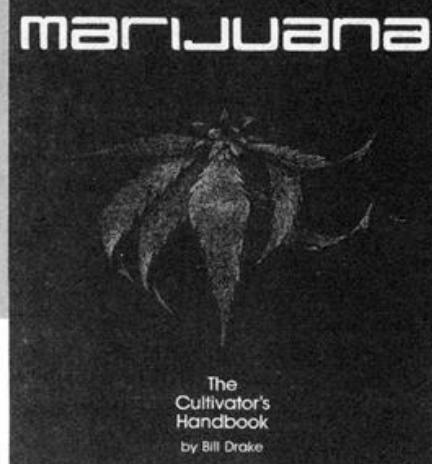
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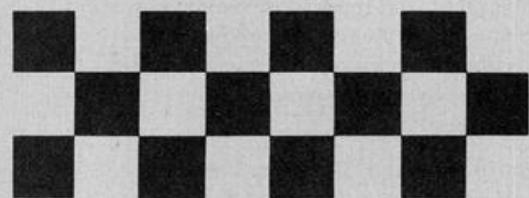
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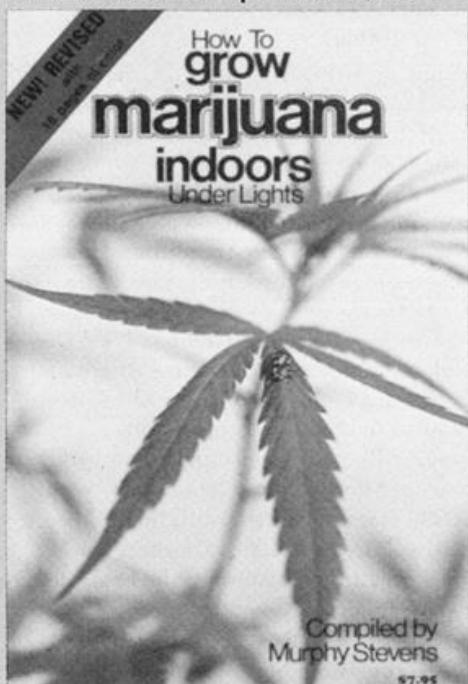
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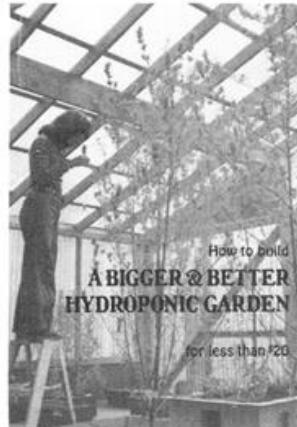
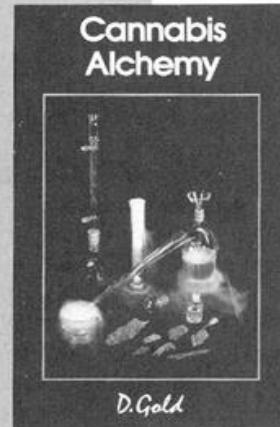
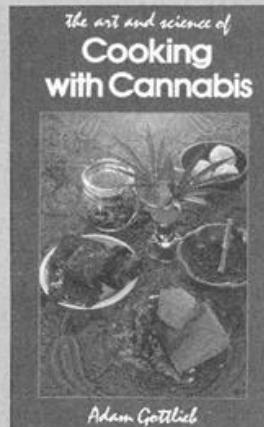
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Huxley continued from page 86

transcendence is treated as a dangerous drug fiend and wicked perverter of weak-minded humanity."

But *Doors* sold, slowly but steadily. Someone was reading it.

Maria died in February 1955. During her last hours, "with tears streaming down his face and his quiet voice not breaking," Aldous read to her from the *Bardo Thodol*, interweaving the ancient Tibetan text with lyrical descriptions of their shared past. With Lawrence in Italy. Summers at Sanary. The weekends at Garsington when they had first met while the rest of the world was falling apart on the Somme. Their trips to the California desert. The white snowcapped mountains of the Sierras. "Go toward the light," Aldous kept murmuring. "Those last three hours were the most anguishing and moving of my life," Matthew Huxley later wrote to his wife; while for Gerald they were proof that Aldous had indeed come back through the Door a changed man; that he was able to cope with Maria's death so calmly was wholly attributable, Gerald felt, to the wisdom he had gained from mescaline.

The fall of 1960 was an equivocal time for Aldous Huxley. His lectures on visionary experience were jammed. And not just by students. The public ones at night caused traffic problems more appropriate for the Harvard-Yale game. Huston Smith, who taught religion at MIT, considered it the crowning moment of Huxley's career as a public philosopher. Huxley was less sanguine. For twenty-five years, ever since he had joined Gerald Heard in support of Dick Shepperton's Peace Union, he had been chipping away at his loathing for the public soapbox; in the last twenty years he had addressed everyone from rotarians to nuclear scientists; so by the time he reached MIT he was in top oratorical form. But he found he had little to say. "It's a bit embarrassing," he confided to Huston Smith, "to have been concerned with the human problem all one's life and find at the end that one has no more to offer by way of advice than 'Try to be a little kind.'"

It was the sort of gentle resignation one might expect from a man who had recently been diagnosed as having cancer of the throat.

Health problems, which he blamed on his stringbean lack of robustness, had always been a complication in Huxley's life; his letters are peppered with self-mocking references to his hypochondria, his blindness, his lack of stamina. But cancer was Maria's disease, there was a finality to it, which may be why Aldous told no one except Humphrey Osmond, whom he swore to secrecy.

With death on his mind, Huxley redoubled his efforts on his recalcitrant utopian novel, which now bore the working title *Island*. Every morning he wrestled with the literary problem of how to portray a psychedelic utopia without boring the reader. "It may be that the job is one which cannot be accomplished with complete success," he confessed to his son. "In point of fact, it hadn't been accomplished in the past. For most Utopian books have been exceedingly didactic and expository. I am trying to lighten up the exposition by putting it into dialogue form, which I make as lively as possible. But meanwhile I am always haunted by the feeling that, if only I had enough talent, I could somehow poeticize and dramatize all this intellectual material."

It was a losing battle. Despite his best efforts, *Island* was becoming a thinly fictionalized anthology of final thoughts on topics that had occupied Huxley for forty years: on education, psychology, metaphysics; on the place of art and creativity in life, and the role of psychedelics in exploring the mind's potential. To dramatize this last theme, he had invented a new

mind drug, which he called moksha, "the reality revealer, the truth and beauty pill."

The crab, in remission since 1960, had come creeping back, and by autumn it was touch and go. Huxley checked into a Los Angeles hospital and tried to ignore the disease that was ravaging his throat. He was unable to write because of the pain but he did have a dictaphone and in lucid moments he worked on an essay on Shakespeare. Although his condition was obviously grave, he refused to acknowledge the possibility of death. Did he know he was dying? It was a question his second wife, Laura, couldn't answer:

We read the entire manual of Dr. Leary based on the *Tibetan Book of the Dead*. He could have, even jokingly, said: "Don't forget to remind me when the time comes." His comment instead was directed only to the problem of "reentry" after a psychedelic session. It is true he sometimes said things like, "If I get out of this," in connection with his new ideas of writing, and wondered when and if he would have the strength to work. He was mentally very active and it seemed that some new levels of his mind were stirring.

But on the morning of November twenty-second, 1963, a Friday, it became clear the gap between living and dying was closing. Realizing that Aldous might not survive the day, Laura sent a telegram to his son, Matthew, urging him to come at once. At ten in the morning, an almost inaudible Aldous asked for paper and scribbled "If I go," and then some directions about his will. It was his first admission that he might die. Soon after he murmured, "Who is eating out of my bowl?" When Laura asked what he meant he dismissed it as a private joke. "At this point there is so little to share," he told her, a statement that she interpreted as meaning no questions. Around noon he asked for the pad of paper and scribbled

LSD—try it
intermuscular
100mm

In a letter circulated among Aldous's friends, Laura Huxley described what followed: "You know very well the uneasiness in the medical mind about this drug. But no 'authority,' not even an army of authorities, could have stopped me then. I went into Aldous's room with the vial of LSD and prepared a syringe. The doctor asked me if I wanted him to give the shot—maybe because he saw that my hands were trembling. His asking me that made me conscious of my hands, and I said, 'No, I must do this.'"

An hour later she gave Huxley a second 100mm. Then she began to talk, bending close to his ear, whispering, "light and free you let go, darling; forward and up. You are going forward and up; you are going toward the light. Willingly and consciously you are going, willing and consciously, and you are doing this beautifully; you are doing this so beautifully—you are going toward the light—you are going toward the light—you are going toward a greater love You are going toward Maria's love with my love. You are going toward the best, the greatest love, and it is easy, it is so easy, and you are doing it so beautifully."

All struggle ceased. The breathing became slower and slower and slower, until, "like a piece of music just finishing so gently in *sempre più piano, dolcemente*," at twenty past five in the afternoon, Aldous Huxley died.

And it was only then that Laura Huxley really had the time to fathom the other great tragedy of the day, the assassination of the President in Dallas. ●

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TOP 100

OBOY!

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23. Tie Dyes	48. FLICKERED WITH BAT GUANO	73. CRANKEN ARGUING WITH MY DAD OVER WHETHER "THE FAR SIDE" IS FUNNY OR NOT	99. CO2 + NEGATIVE ION GENERATORS
24. NANCY REAGAN	49. BOB GOLDWAIT (REALITY IS SUCH A DRAG)	74. SPAM HEADS OF THE WORLD	100. SPAM HEADS OF THE WORLD
25. CRYSTAL PRISMS	50. SEX WITH MARRIED WOMEN		

LAST MONTH'S POSITION INDICATED BY BULLETS ①②③

VOTES COUNTED + COMPILED + DRAWN BY JOHN HOLMSTROM (WITH A LITTLE HELP FROM UFO ALIENS)

#1
#2
#3

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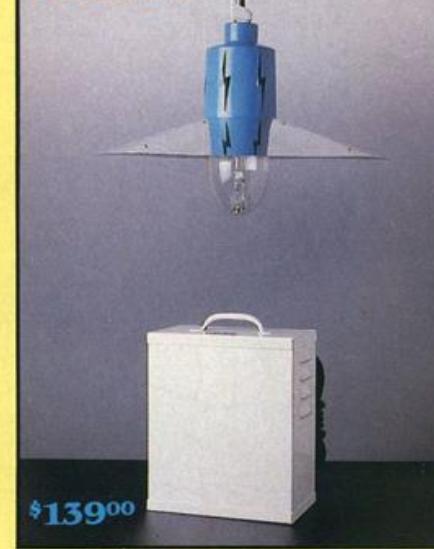
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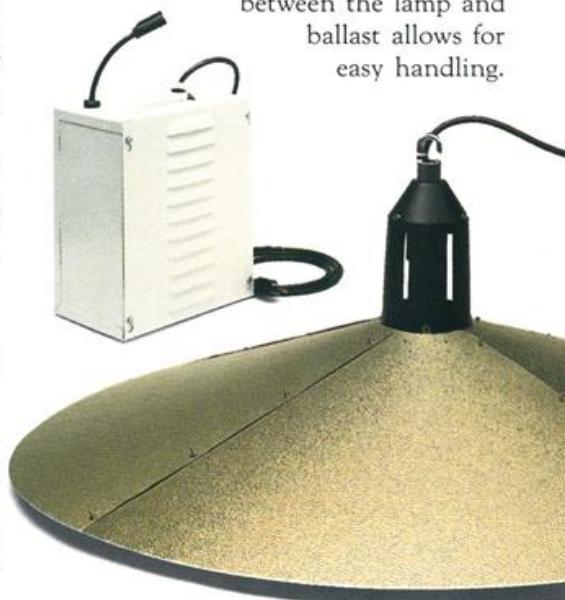
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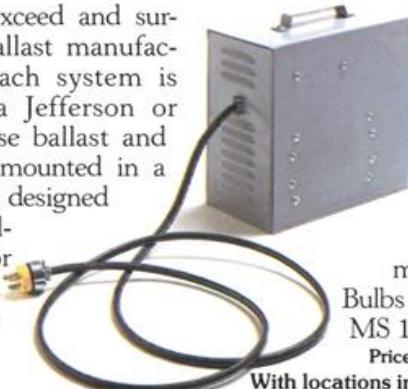
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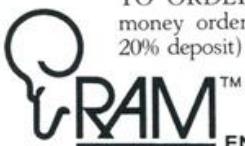
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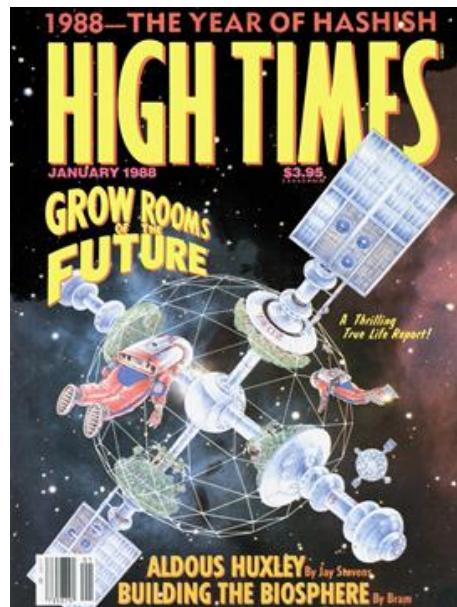


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